

GENERAL NOTES

1. REFER TO SHEET G103 FOR PHASING PLANS. ALL WORK TO BE DONE IN ACCORDANCE WITH THE PHASES IDENTIFIED.

KEYED NOTES

- (1) REMOVE PIPING AND ACCESSORIES TO EXISTING AIR COOLED CHILLER AS INDICATED. PROTECT CHILLER AND RELOCATE AS INDICATED ON SHEET MH200. DEMOLITION AND RELOCATION FOR THE CHILLER TO BE COMPLETED OVER A WEEKEND WITH AT LEAST A 3 WEEK ADVANCE NOTICE TO THE VA MEDICAL CENTER. RELOCATION TO PERMANENT LOCATION ON MH200 TO OCCUR OVER A WEEKEND WITH A 3 WEEK MINIMUM ADVANCE NOTICE. UNITS MUST BE OPERATIONAL AND THE SYSTEMS MUST BE FUNCTIONING BEFORE THE END OF THE WEEKEND.
- REMOVE DUCTWORK, PIPING, EQUIPMENT, AND ACCESSORIES AS INDICATED. REMOVE BACK TO MAIN WHERE POSSIBLE AND CAP. WORK TO OCCUR DURING PHASE 5.
- REMOVE EXISTING EXHAUST FAN, DUCT, AND ACCESSORIES. FAN AND LOUVER DEMOLITION TO OCCUR DURING PHASE 2 OF CONSTRUCTION. DEMOLITION AND NEW WORK RELATED TO EXHAUST/RETURN TO BE COMPLETED OVER A WEEKEND WITH AT LEAST A 3 WEEK ADVANCE NOTICE TO THE VA MEDICAL CENTER. FAN MUST BE OPERATIONAL AND THE SYSTEMS MUST BE FUNCTIONING BEFORE THE END OF THE WEEKEND.

FIRST FLOOR PLAN

FULLY SPRINKLERED BID DOCUMENTS

Project Number 695-402 Office of

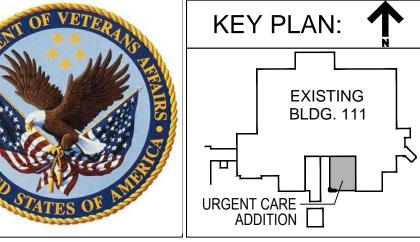
one eighth inch = one foot

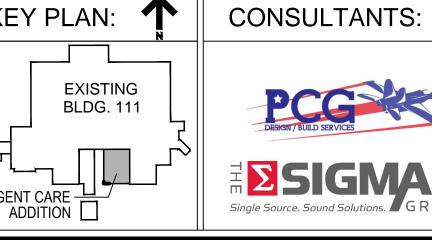
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Revisions:

VA FORM 08-6231, OCT 1978

Department of Veterans Affairs Medical Center 5000 W. National Avenue Milwaukee, WI











PROJECT LEADER:

	DEN
309 N. WATER ST. SUITE 650 MILWAUKEE, WI 53202 PHONE: (414) 258-6004	Approve

FIRST FLOOR
DEMOLITION PLAN Project Title 111 EXPAND URGENT CARE oved: Project Director

January 28th, 2016

Building Number Location: VA Medical Center, Milwaukee, WI Drawing Number Checked By: Drawn By:

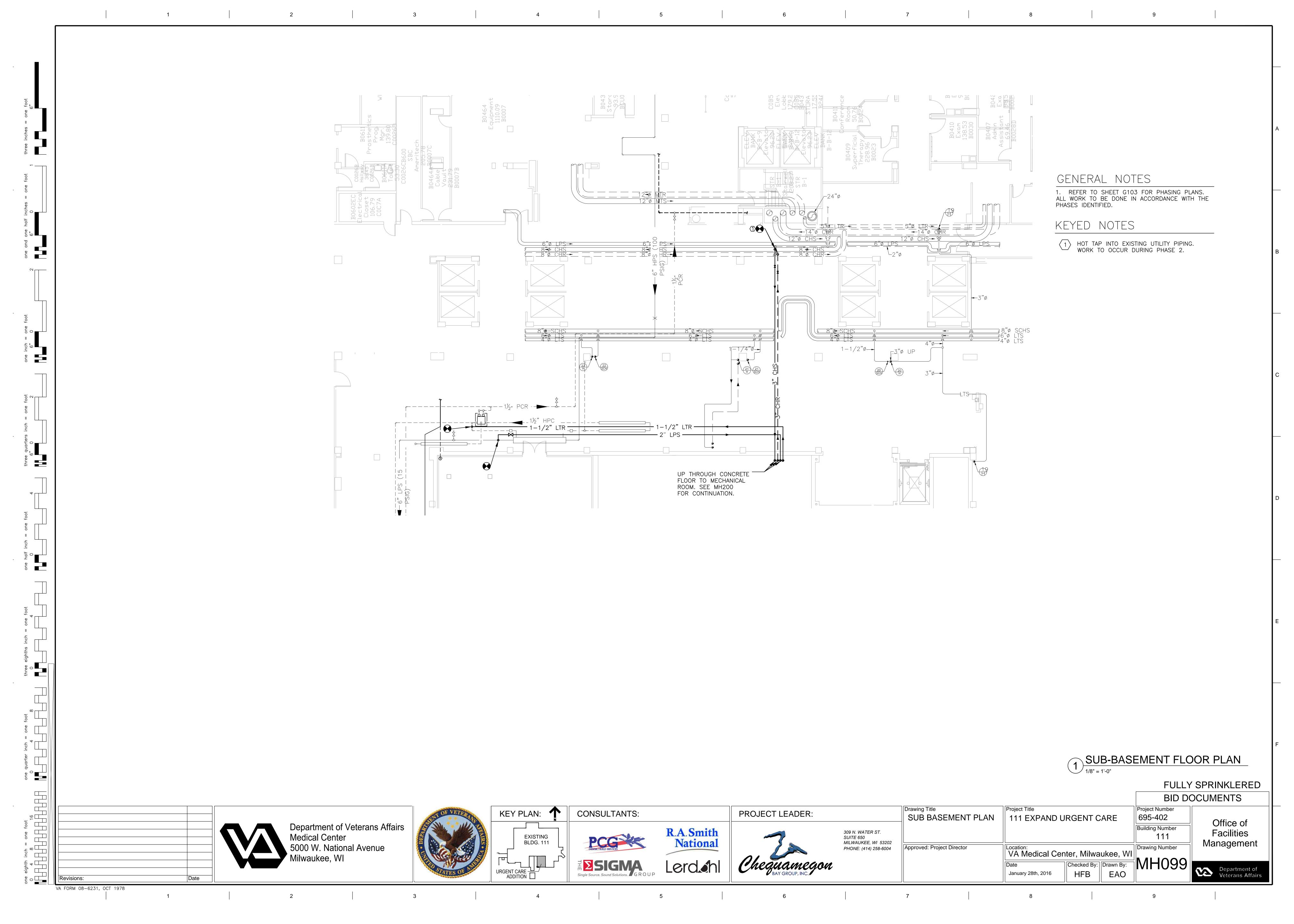
HFB

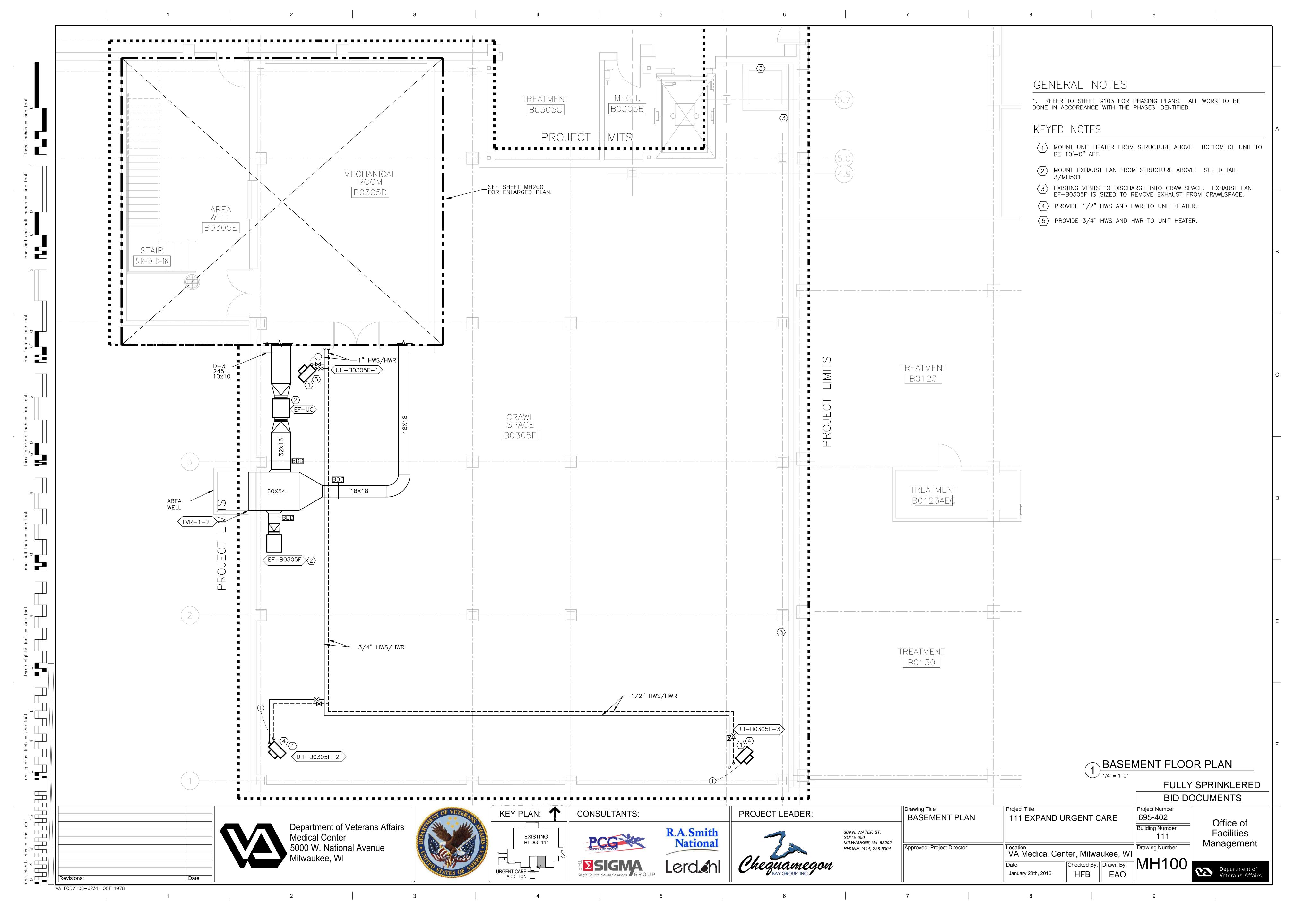
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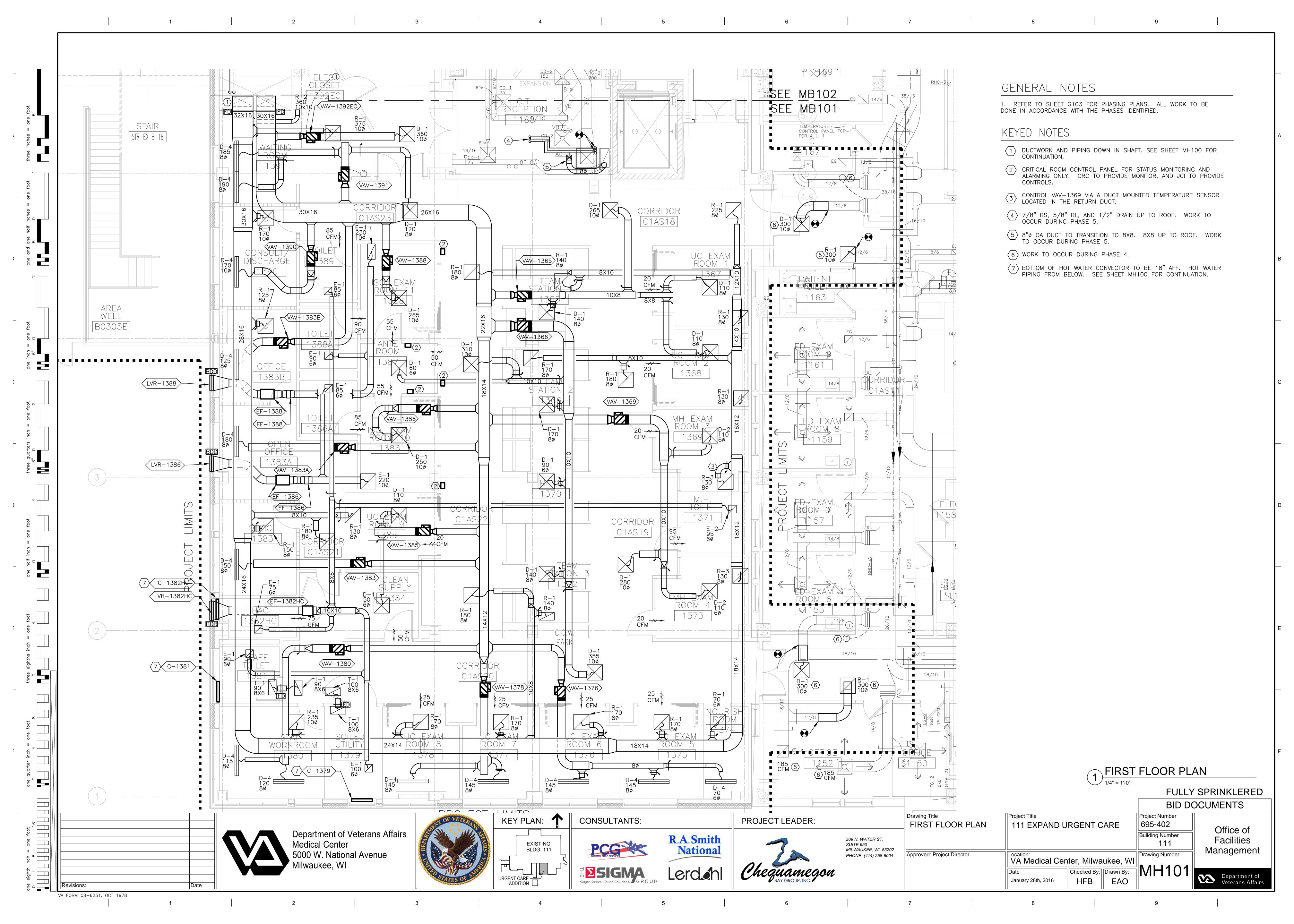
Department of Veterans Affairs

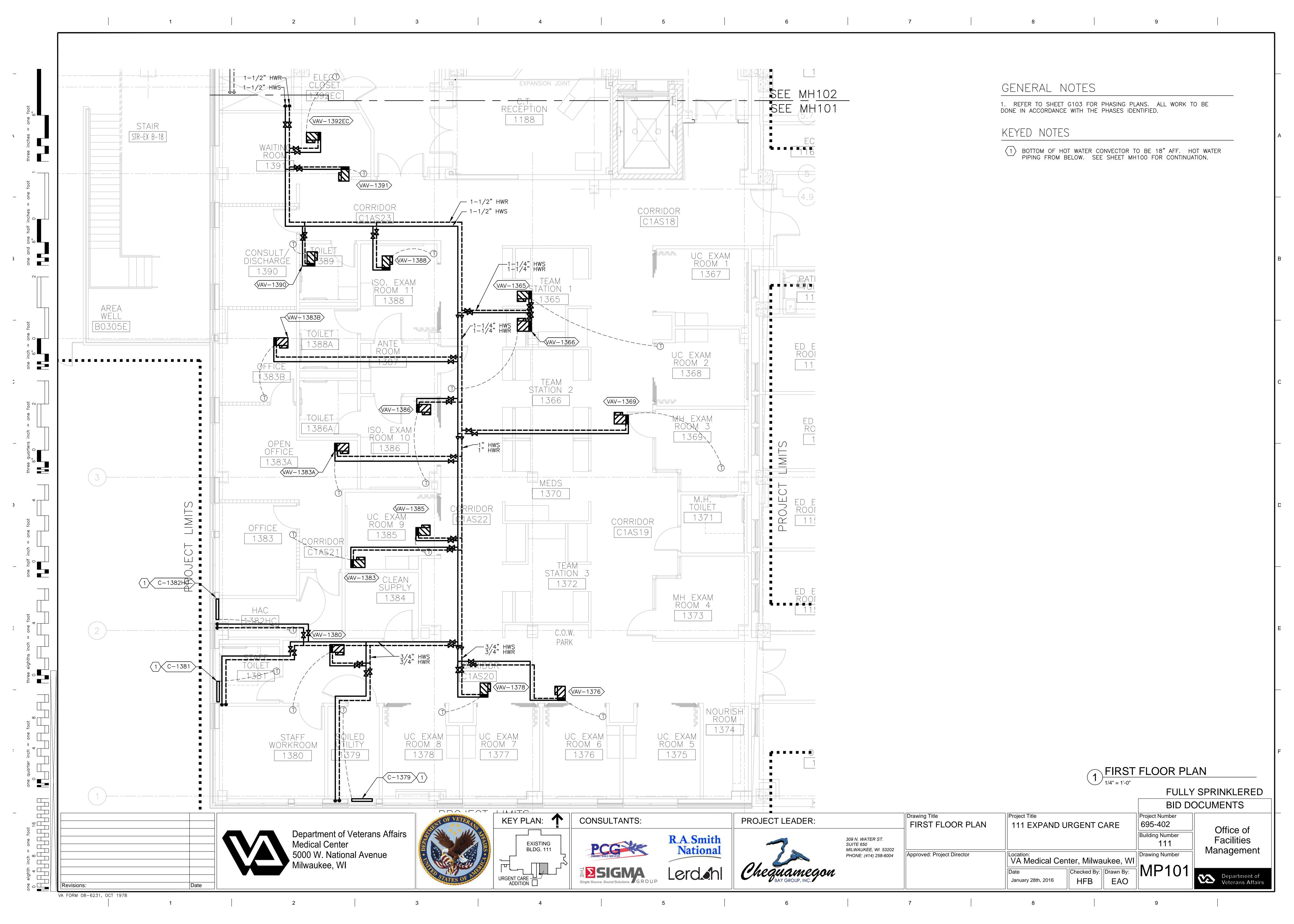
Facilities

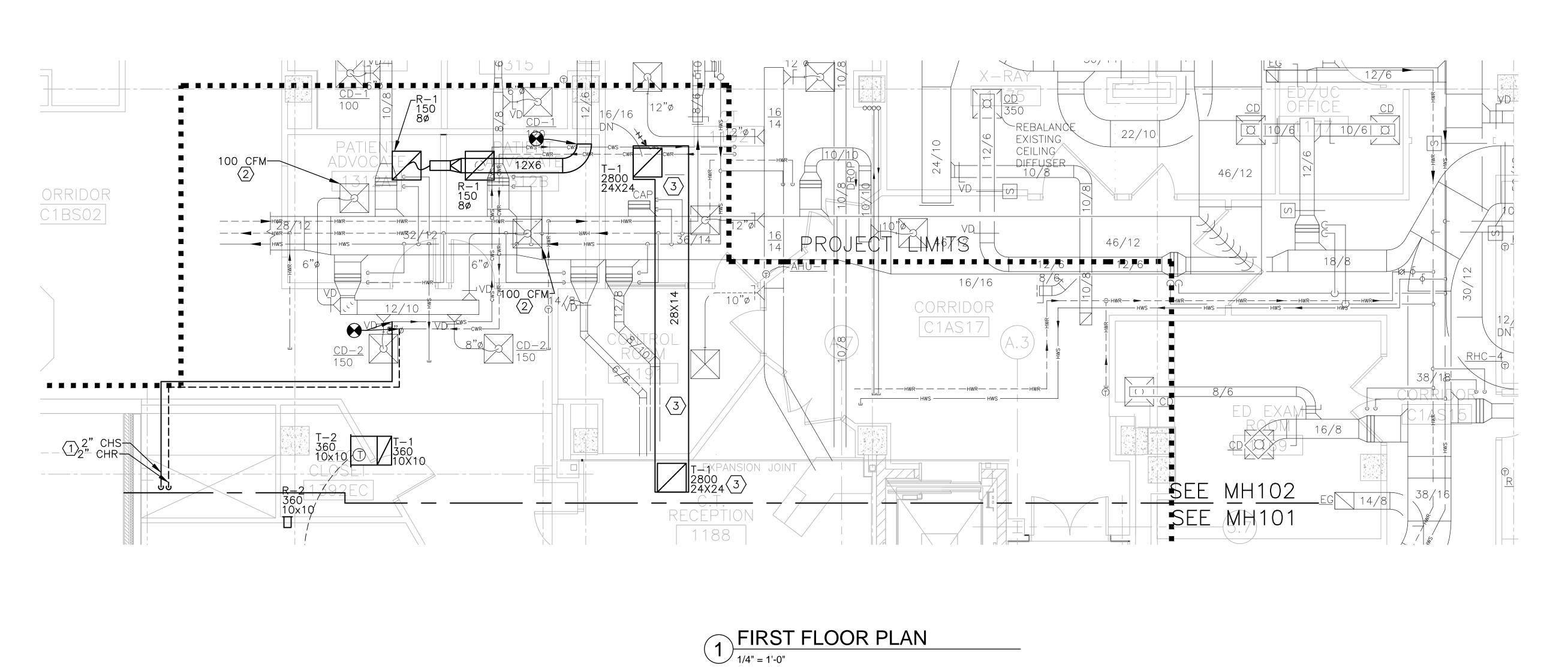
Management











GENERAL NOTES

1. REFER TO SHEET G103 FOR PHASING PLANS. ALL WORK TO BE DONE IN ACCORDANCE WITH THE PHASES IDENTIFIED.
2. WORK TO OCCUR DURING PHASE 2 OF PROJECT UNLESS OTHERWISE NOTED.

KEYED NOTES

- PIPING DOWN IN SHAFT. SEE SHEET MH200 FOR CONTINUATION. WORK TO OCCUR DURING PHASE 2 OF THE PROJECT.
- REBALANCE DIFFUSERS TO VALUES SHOWN. RELOCATE DIFFUSERS TO MATCH NEW CEILING GRID. WORK TO OCCUR DURING PHASE 5 OF
- WORK TO OCCUR DURING PHASE 5 OF CONSTRUCTION. DEMOLITION AND NEW WORK RELATED TO EXHAUST/RETURN TO BE COMPLETED OVER A WEEKEND WITH AT LEAST A 3 WEEK ADVANCE NOTICE TO THE VA MEDICAL CENTER. FAN MUST BE OPERATIONAL AND THE SYSTEMS MUST BE FUNCTIONING BEFORE THE END OF THE WEEKEND.

FULLY SPRINKLERED

BID DOCUMENTS

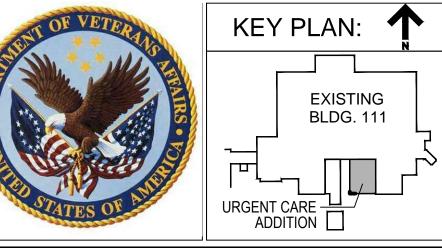
Department of Veterans Affairs
Medical Center
5000 W. National Avenue
Milwaukee, WI

one eighth inch = one foot

0 4 8 16

Revisions:

VA FORM 08-6231, OCT 1978





CONSULTANTS:





PROJECT LEADER:

309 N. WATER ST. SUITE 650 MILWAUKEE, WI 53202 PHONE: (414) 258-6004

Project Title

FIRST FLOOR PLAN

Approved: Project Director

Location:
VA Medical C

Project Title
111 EXPAND URGENT CARE
695-402

Building Number
111

Location:
VA Medical Center, Milwaukee, WI

Project Number
695-402

Building Number
111

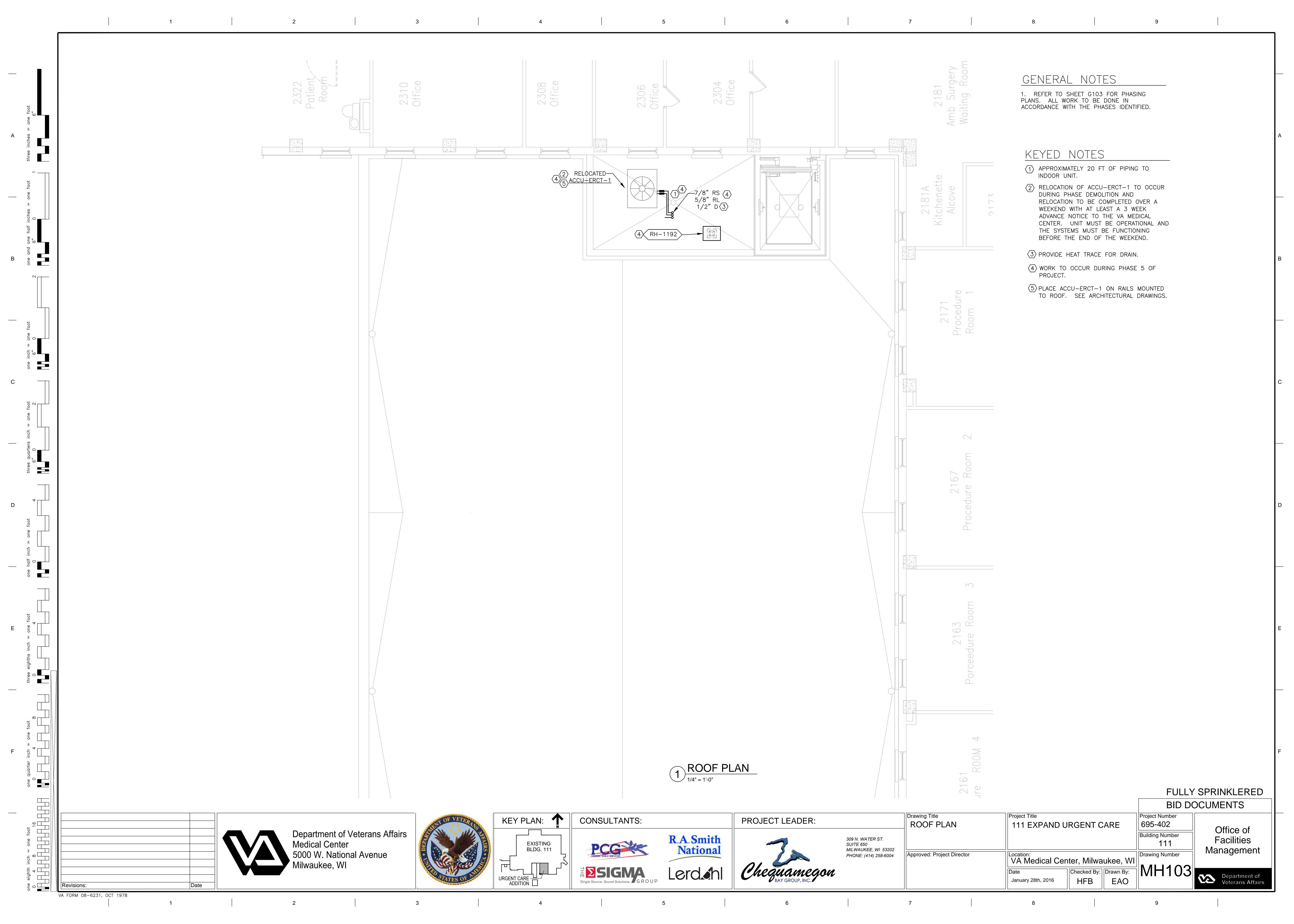
January 28th, 2016

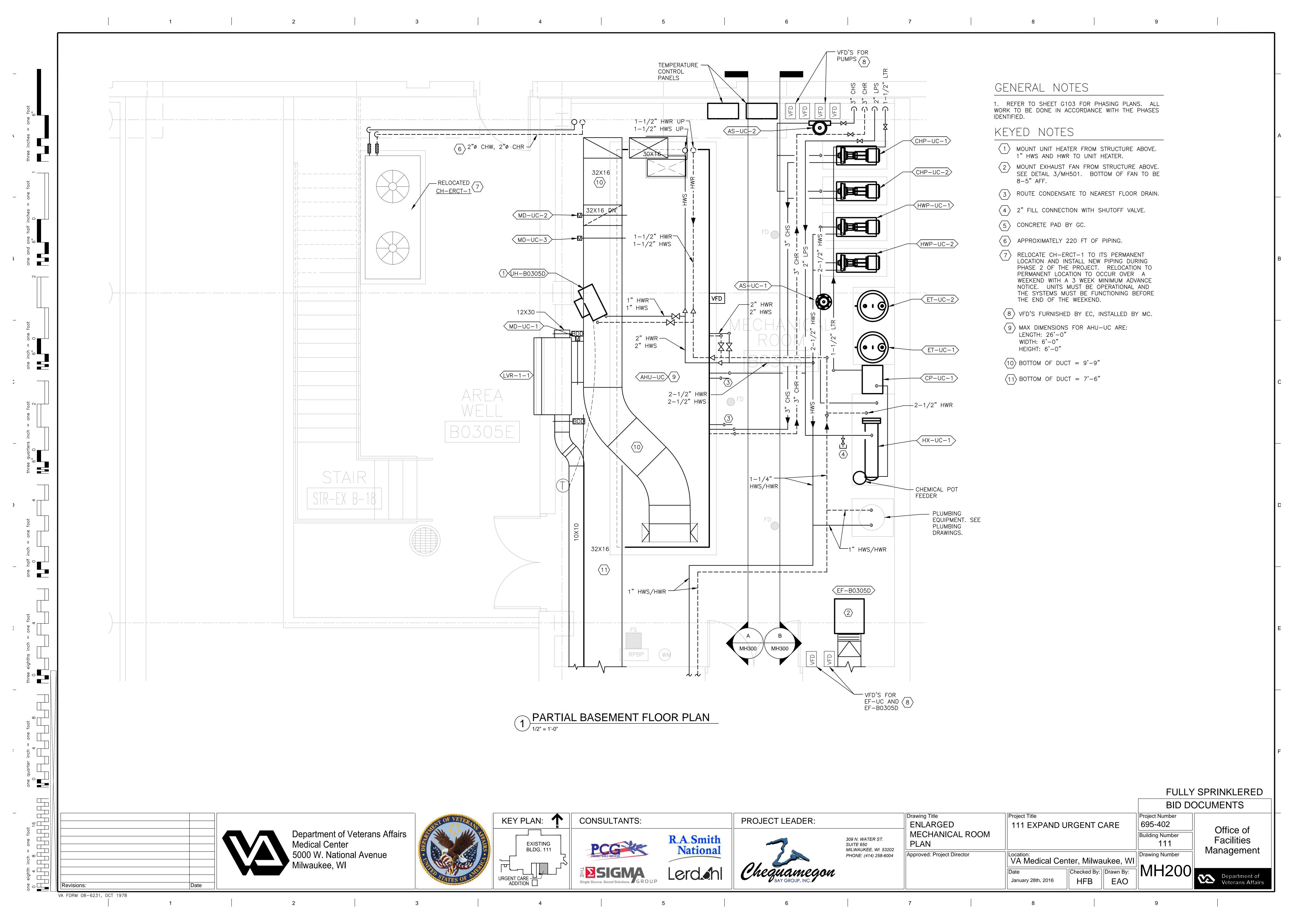
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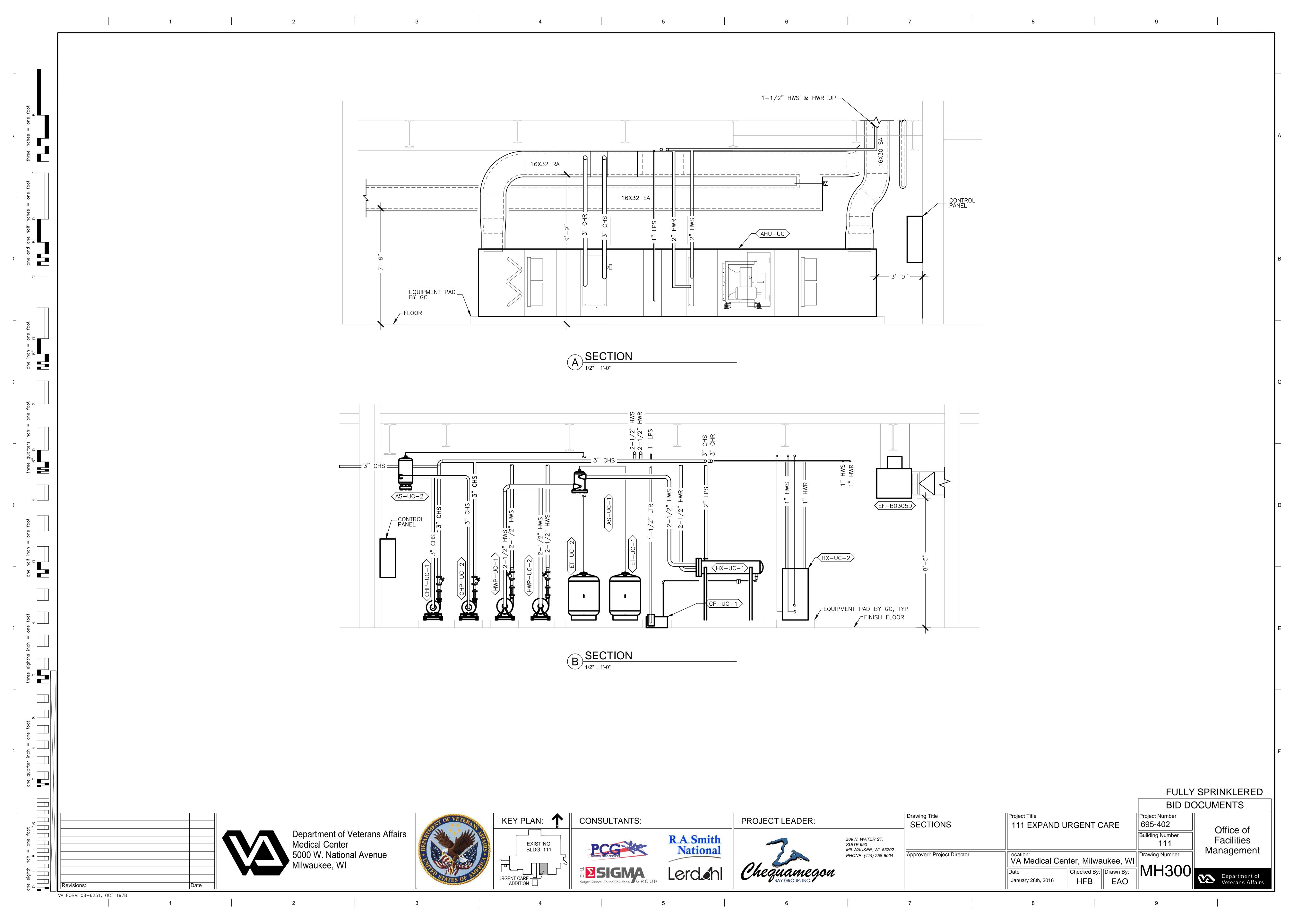
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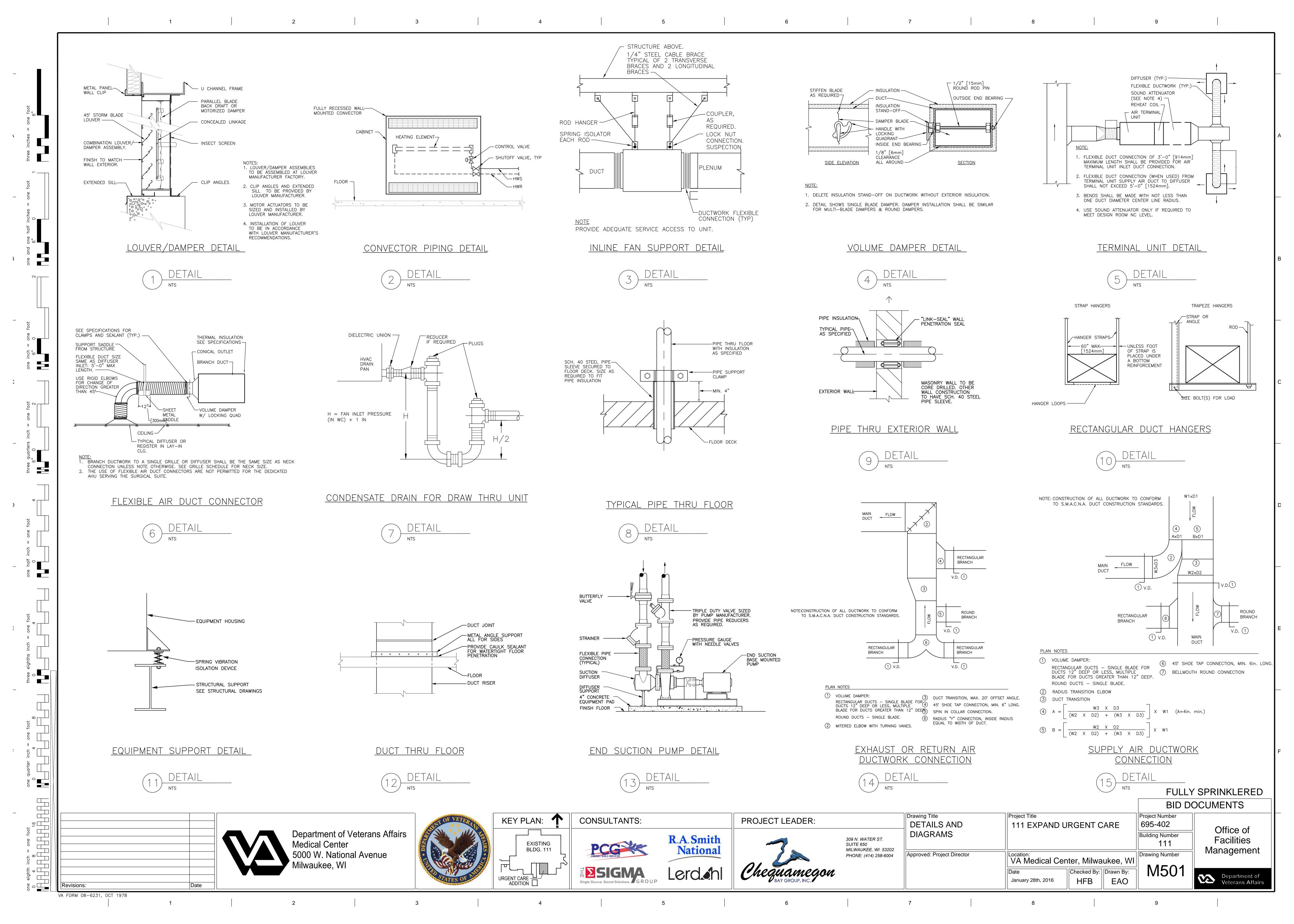
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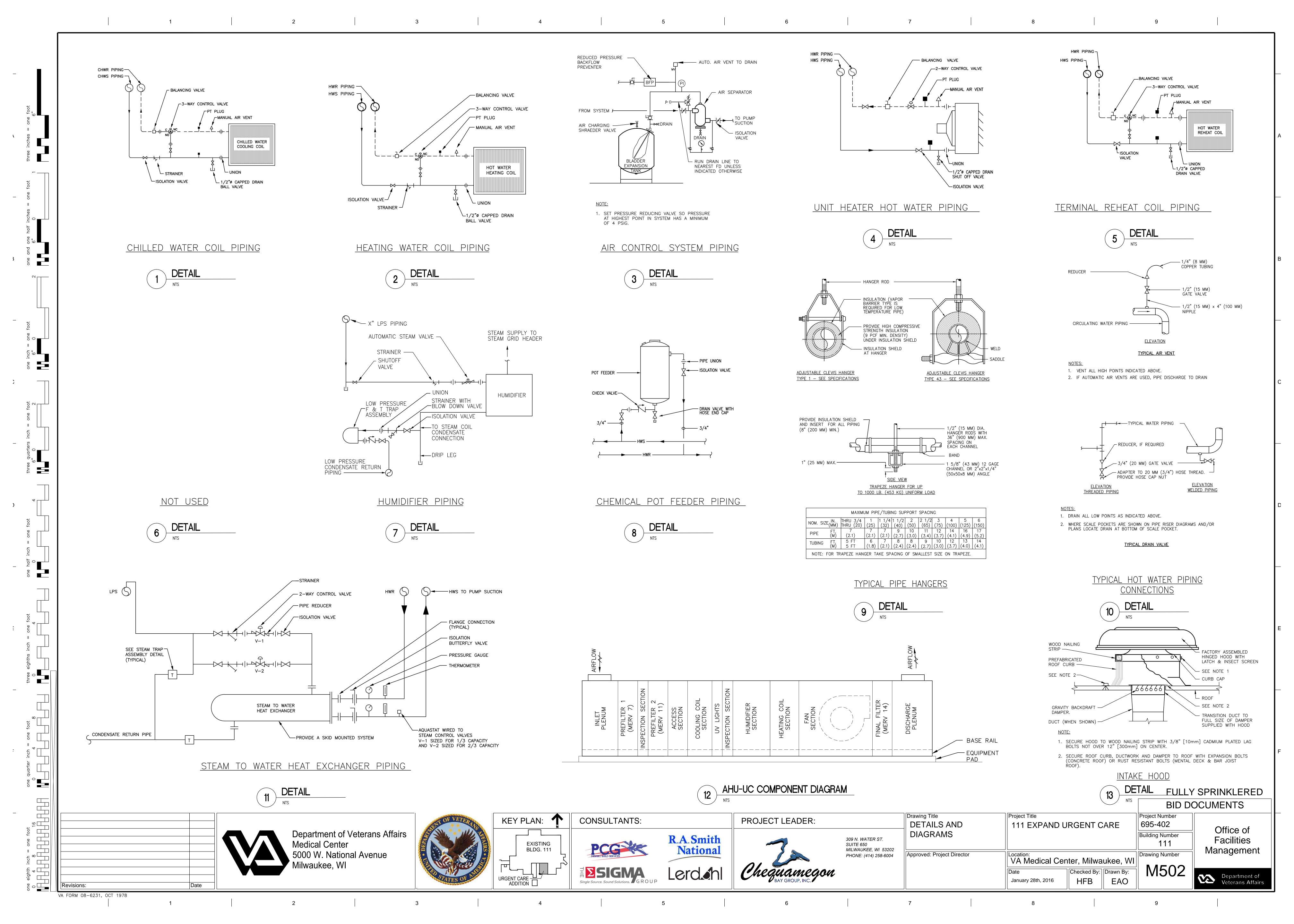
Office of Facilities Management











MARK LOCATION SERVICE SA CFM MIN OA CFM RA CFM TYPE QTY ESP IN WC HP VOLTS/PH/HZ OPER WEIGHT LB PRE FILTER FINAL FILTER HW HEAT CW COOL HUM REMARKS AHU-UC MECH ROOM BLDG 111, A WING URGENT CARE 6,400 3,200 3,200 PLENUM 1 2.50 15 480/3/60 3631 PF-UC-1 PF-UC-2 FF-UC HWHC-UC CWCC-UC HUM-UC (1) (2) (3) (4) (5)					AIRFLOW			SUPP	LY FAN											
	MARK	LOCATION	SERVICE				TYPE	QTY		HP	VOLTS/PH/HZ	WEIGHT	PRE FILTER	PRE FILTER	FINAL FILTER	HW HEAT	CW COOL	HUM	REMARKS	
	AHU-UC	MECH ROOM		6,400	3,200	3,200	PLENUM	1	2.50	15	480/3/60	3631	PF-UC-1	PF-UC-2	FF-UC	HWHC-UC	CWCC-UC	HUM-UC	(1) (2) (3) (4) (5	5)

1 2 5

- BASIS OF DESIGN: TRANE.
 PROVIDE VARIABLE SPEED DRIVE.
- PROVIDE UV FILTER. 4. SCHEDULE INCLUDES 20% EXTRA CAPACITY.
- 5. SEE DETAIL 12/M502 FOR CONFIGURATION.

HOT WATER HEATING COIL SCHEDULE

MARK	AIR FLOW (CFM)	MAX FACE VEL (FPM)	FLUID TYPE	TOTAL (MBH)	EAT °F	LAT °F	EWT °F	LWT °F	AIR PD (IN WG)	WATER PD (FT)	GPM	ROWS	FINS (FPI)	NOTES
HWHC-UC	6,400	500	WATER	183	29	55	180	160	0.1	1.5	18.3	1	8	(1) (2) (3)

- BASIS OF DESIGN: TRANE.
 SCHEDULE INCLUDES 20% EXTRA CAPACITY.
- 3. SEE DETAIL 2/M502.

CHILLED WATER COOLING COIL SCHEDULE

		MAX FACE	Ξ														
	AIR FLOW	VEL	FLUID	TOTAL	SENSIBLE	EAT	EAT	LAT	LAT	EWT	LWT	AIR PD	WATER PD			FINS	
MARK	(CFM)	(FPM)	TYPE	(MBH)	(MBH)	°F (DB)	°F (WB)	°F (DB)	°F (WB)	°F	°F	(IN WG)	(FT)	GPM	ROWS	(FPI)	NOTES
CWCC-	UC 6,400	500	40% ETHYLENE	345	204	83	69	54	53	45	55	_	_	69.0	_	_	(1) (2) (3)

one eighth inch = one foot

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Revisions:

VA FORM 08-6231, OCT 1978

- 1. BASIS OF DESIGN: TRANE.
- 2. SCHEDULE INCLUDES 20% EXTRA CAPACITY.
- 3. SEE DETAIL 1/M502.

HOT	WATER	CONVECTOR	SCHEDULE
	VV / \ \	OONVEOLON	9011LD0LL

	TAG (C-)	SERVES	MOUNTING	L	D	Н	EWT (DEG F)	LWT (DEG F)	CAPACITY (MBH)	FLOW (GPM)	NOTES
	C-1379	1379 SOILED UTILITY	WALL	32	4	14	180	160	1.5	0.5	(1) (2) (3)
	C-1381	1381 STAFF TOILET	WALL	32	4	14	180	160	1.5	0.5	(1) (2) (3)
С	-1382HC	1382HC HAC	WALL	32	4	14	180	160	1.5	0.5	(1) (2) (3)

1. BASIS OF DESIGN: TRANE TYPE RG.

- 2. FULLY RECESSED WALL MOUNTED UNIT WITH FRONT DISCHARGE AND RETURN GRILLES.
- 3. SEE DETAIL 2/M501 FOR MORE INFORMATION.

ROOF	HOOD SO	CHEDU	JLE (RH-)						
TAG	SERVES	LOCATION	AIRFLOW (CFM)	THROAT SIZE W" X L"	MAX. VEL. (FPM)	MAX. APD (IN. W.G.)	MATERIAL	FINISH	TYPE	NOTES
RH-1192	1192 OA INTAKE	ROOF	200	8X8	500	0.05	ALUM	STANDARD	LOW SILHOUETTE	(1) (2)

NOTES 1. BASIS OF DESIGN IS GREENHECK MODEL FGI: PROVIDE ALUMINUM INSECT SCREEN, ROOF CURB, FIBERGLASS HOOD INSULATION, 18 IN TALL BASE.

2. SEE DETAIL 13/M502 FOR MORE INFORMATION.

STEAM HUMIDIFIER SCHEDULE

			INLET			ABSORBTION	AIR	
MARK	AIRFLOW (CFM)	TEMP. (°F)	PRESS. (PSIG)	CAPACITY (LB/HR)	RH (%)	DISTANCE (FT)	PD (IN WG)	NOTES
HUM-UC	6,400	55	5	72	50	5	0.01	(1) (2) (3)
						·		

- BASIS OF DESIGN: TRANE.
 SCHEDULE INCLUDES 20% EXTRA CAPACITY.
- 3. SEE DETAIL 7/M502.

FILTER SCHEDULE

MARK	LOCATION	SERVES	MERV RATING	AIRFLOW (CFM)	DIRTY APD (IN WG)	HOUSING TYPE	MIN AREA (SF)	MIN DEPTH (IN)	NOTES
PF-UC-1	MECH ROOM	AHU-UC	7	6,400	0.5	SIDE	12.8	2	(1) (3)
PF-UC-2	MECH ROOM	AHU-UC	11	6,400	0.5	SIDE	12.8	6	(1) (3)
FF-UC	MECH ROOM	AHU-UC	14	6,400	1.0	SIDE	12.8	12	(1) (3)
FF-1386	1383A	1386 EXH	HEPA	305	1.0	SIDE	0.64	12	(2)
FF-1388	1383A	1388 EXH	HEPA	320	1.0	SIDE	0.61	12	(2)

- 1. BASIS OF DESIGN: TRANE.
- 2. PROVIDE DUCT MOUNTED SIDE ACCESS FILTER HOUSING. SEE SPECIFICATION 23 40 00.
- 3. SCHEDULE INCLUDES 20% EXTRA CAPACITY.

EXHAUST FAN SCHEDULE

	LOCATION	SERVICE		FAN DATA		DRIVE	TYPE	E.S.P.	SONES		MOTOR DATA		OPERATING	REMARKS
MARK	LOCATION	SERVICE	CFM	RPM	BHP	DRIVE	ITPE	E.S.F.	SUNES	HP	VOLTS/PH/HZ	RPM	WEIGHT LBS.	KLIMAKKS
EF-UC	B0305F CRAWLSPACE	AHU-UC RELIEF	5,330	2194	1.82	BELT	INLINE	0.50	31	2	460/3/60	1725	180	(1) (4)
EF-B0305D	B0305D MECH ROOM	MECH ROOM	1,785	1564	0.29	BELT	INLINE	0.50	13.3	1/3	115/1/60	1725	137	(1) (4)
EF-B0305F	B0305F CRAWLSPACE	CRAWLSPACE	2,260	1940	0.53	BELT	INLINE	0.70	17.8	3/4	460/3/60	1725	149	(1)
EF-1382HC	1382HC HAC	GEN EXHAUST	445	1559	0.18	DIRECT	INLINE	0.80	11.1	1/4	115/1/60	2500	63	(1) (3)
EF-1386	1383A OPEN OFFICE	1386 & 1386A	305	1845	0.25	BELT	INLINE	1.15	12.7	1/3	115/1/60	1725	78	(1) (2) (3) (
EF-1388	1383A OPEN OFFICE	1388 & 1388A	320	1857	0.26	BELT	INLINE	1.15	13	1/3	115/1/60	1725	78	(1) (2) (3) (

Drawing Title
SCHEDULES

Approved: Project Director

309 N. WATER ST. SUITE 650 MILWAUKEE, WI 53202 PHONE: (414) 258-6004

NOTES: 1. BASIS OF DESIGN: GREENHECK.

- 2. FAN SHALL HAVE A 2-SPEED MOTOR (1,800 RPM/900 RPM)
- 3. PROVIDE SPEED CONTROL FOR DIRECT DRIVE FANS.
- 4. VARIABLE SPEED DRIVE FURNISHED BY EC, INSTALLED BY MC. 5. MAINTAIN SOUND LEVELS AT OR BELOW VALUES SCHEDULED.

FULLY SPRINKLERED

BID DOCUMENTS Project Number 695-402 Office of Building Number **Facilities** Management

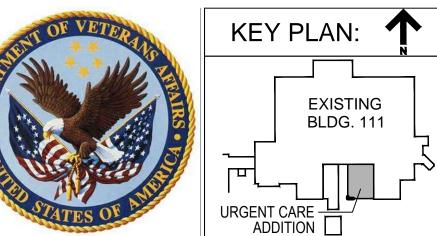
Location: VA Medical Center, Milwaukee, WI Drawing Number M601 Checked By: Drawn By: HFB EAO January 28th, 2016

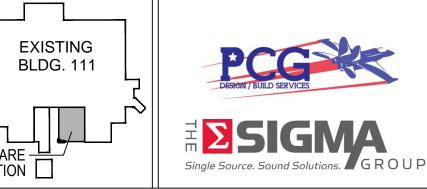
111 EXPAND URGENT CARE

Project Title

Department of Veterans Affairs

Department of Veterans Affairs Medical Center 5000 W. National Avenue





CONSULTANTS:





PROJECT LEADER:

Revisions:

VA FORM 08-6231, OCT 1978

AIR SEPARATOR SCHEDULE

		PIPE COI	NNECTION			
MARK	SERVING	INLET (IN)	OUTLET (IN)	FLOW (GPM)	WPD (FT)	REMARKS
AS-UC-1	HEATING	2.5	2.5	50	2	(1)
AS-UC-2	CHILLED	3	3	75	2	(1)
		•				

1. BASIS OF DESIGN: BELL & GOSSETT, MODEL ROLAIRTROL.

EXPANSION TANK SCHEDULE

							OPEF	R PRESS	OPER	R TEMP	
MARK	LOCATION	SERVING	HEIGHT (IN)	DIAM (IN)	SYSTEM VOL (GAL)	TANK VOL (GAL)	DESIGN PSIG	MAX PSIG	DESIGN (°F)	MAX (°F)	REMARKS
ET-UC-1	MECHANICAL ROOM	HEATING	32	20	200	23	12	30	180	200	(1) (2)
ET-UC-2	MECHANICAL ROOM	CHILLED	32	20	100	23	12	30	180	200	(1) (2)

1. BASIS OF DESIGN: BELL & GOSSETT, B SERIES.

2. PROVIDE A BLADDER TYPE EXPANSION TANK.

MOTORIZED DAMPER SCHEDULE

			T					
MARK	SERVICE	CFM	SIZE (INCHES)	MAX P.D. INCHES W.C.	BLADE TYPE	ACTUATOR TYPE	FAIL POSITION	REMARKS
MD-UC-1	OUTDOOR AIR	6400	48X16	0.1	OPPOSED	ELECTRIC	CLOSED	(1)
MD-UC-2	EXHAUST AIR	5330	32X16	0.1	OPPOSED	ELECTRIC	OPEN	(1)
MD-UC-3	RETURN AIR	5330	32X16	0.1	OPPOSED	ELECTRIC	CLOSED	(1)

NOTES: 1. BASIS OF DESIGN: MFG RUSKIN, MODEL CD-50.

HOT WATER UNIT HEATER SCHEDULE

L													
	MARK	MOUNTING	TYPE	TEMP RISE	HEATING CAP (MBH)	EWT (°F)	LAT (°F)	AIR FLOW (CFM)	WATER FLOW (GPM)	WATER PD (FT WG)	FAN MOTOR (HP)	VOLTS/ PHASE	REMARKS
	UH-B0305D	WALL	HORIZONTAL	35	50	180	160	2808	5.0	2.9	1/4	115/1	(1) (2)
	UH-B0305F-1	WALL	HORIZONTAL	35	18	180	160	2808	1.8	2.9	1/4	115/1	(1) (2)
	UH-B0305F-2	WALL	HORIZONTAL	35	5	180	160	2808	0.5	2.9	1/4	115/1	(1) (2)
	UH-B0305F-3	WALL	HORIZONTAL	35	5	180	160	2808	0.5	2.9	1/4	115/1	(1) (2)

NOTES: 1. BASIS OF DESIGN: TRANE MODEL S.

2. SEE DETAIL 4/M502.

DIFFUSER, REGISTER, AND GRILLE SCHEDULE

			Г		
MARK	USAGE	MATERIAL/ FINISH	MAX APD (IN WG)	MAX NOISE (NC)	REMARKS
D-1	CEILING SUPPLY DIFFUSER	2	0.10	20	FULL FACE 24X24 SQUARE CEILING DIFFUSER WITH ROUND NECK. PROVIDE FRAME TO MATCH CEILING SYSTEM. PROVIDE OPPOSED BLADE DAMPER ON SURFACE MOUNTED DIFFUSERS. AIR PATTERN SHALL BE ADJUSTABLE.
D-2	CEILING SUPPLY DIFFUSER	2	0.10	20	24X24 SQUARE CEILING DIFFUSER, SECURITY TYPE WITH PERFORATED STEEL FACEPLATE.
D-3	SUPPLY GRILLE	2	0.10	20	WALL MOUNTED.
D-4	LINEAR DIFFUSER	2	0.10	20	48"X4" WITH (1) 1" SLOT DIFFUSER FOR MOUNTING IN AN ACT CEILING.
R-1	RETURN GRILLE	1	0.10	20	1/2 CUBE CORE GRILLE. 1-1/4" BORDER FOR SURFACE MOUNTING.
R-2	RETURN GRILLE	2	0.10	20	DUCT MOUNTED OR WALL MOUNTED.
R-3	RETURN GRILLE	2	0.10	20	24X24 SQUARE CEILING RETURN GRILLE, SECURITY TYPE WITH PERFORATED STEEL FACEPLATE.
E-1	EXHAUST GRILLE	1	0.10	20	1/2 CUBE CORE GRILLE. 1-1/4" BORDER FOR SURFACE MOUNTING.
E-2	EXHAUST GRILLE	2	0.10	20	12X12 SQUARE CEILING EXHAUST GRILLE, SECURITY TYPE WITH PERFORATED STEEL FACEPLATE.
T-1	TRANSFER GRILLE	1	0.10	20	1/2 CUBE CORE GRILLE. 1-1/4" BORDER FOR SURFACE MOUNTING.
T-2	TRANSFER GRILLE	2	0.10	20	DUCT MOUNTED OR WALL MOUNTED.

NOTES: A. GRILLE AND REGISTER SIZES ARE NOTED ON THE MECHANICAL FLOOR PLANS.

- B. PROVIDE APPROPRIATE FRAME/BORDER/FLANGE FOR PROPER MOUNTING. REFER TO THE ARCHITECTURAL DRAWINGS FOR SURFACES IN WHICH GRÍLLES, REGISTERS AND DIFFUSERS ARE LOCATED.
- C. MATERIAL/FINISH KEY
 - 1. ALUMINUM WITH STANDARD FACTORY WHITE ENAMEL FINISH.
 - 2. STEEL WITH STANDARD FACTORY WHITE ENAMEL FINISH.

LOUVER SCHEDULE

						T	T			
		S	IZE (INCHE	S)		MAX			INSECT	
SERVICE	STYLE	WIDTH	HEIGHT	DEPTH	CFM	A.P.D. IN. W.C.	MATERIAL	FINISH	SCREEN	REMARKS
INTAKE	DRAINABLE	60	84	6	8430	0.10	ALUMINUM	ANODIZED	YES	(1) (2) (4)
EXHAUST	DRAINABLE	60	60	6	9375	0.10	ALUMINUM	ANODIZED	YES	(1) (2) (3) (4)
EXHAUST	DRAINABLE	30	12	6	445	0.10	ALUMINUM	ANODIZED	YES	(1) (2) (4)
EXHAUST	DRAINABLE	24	12	6	305	0.10	ALUMINUM	ANODIZED	YES	(1) (2) (4)
EXHAUST	DRAINABLE	24	12	6	320	0.10	ALUMINUM	ANODIZED	YES	(1) (2) (4)
	INTAKE EXHAUST EXHAUST EXHAUST	INTAKE DRAINABLE EXHAUST DRAINABLE EXHAUST DRAINABLE EXHAUST DRAINABLE	SERVICE STYLE WIDTH INTAKE DRAINABLE 60 EXHAUST DRAINABLE 30 EXHAUST DRAINABLE 24	SERVICE STYLE WIDTH HEIGHT INTAKE DRAINABLE 60 84 EXHAUST DRAINABLE 60 60 EXHAUST DRAINABLE 30 12 EXHAUST DRAINABLE 24 12	INTAKE DRAINABLE 60 84 6 EXHAUST DRAINABLE 60 60 6 EXHAUST DRAINABLE 30 12 6 EXHAUST DRAINABLE 24 12 6	SERVICE STYLE WIDTH HEIGHT DEPTH CFM INTAKE DRAINABLE 60 84 6 8430 EXHAUST DRAINABLE 60 60 6 9375 EXHAUST DRAINABLE 30 12 6 445 EXHAUST DRAINABLE 24 12 6 305	SERVICE STYLE WIDTH HEIGHT DEPTH CFM MAX. A.P.D. IN. W.C. INTAKE DRAINABLE 60 84 6 8430 0.10 EXHAUST DRAINABLE 60 60 6 9375 0.10 EXHAUST DRAINABLE 30 12 6 445 0.10 EXHAUST DRAINABLE 24 12 6 305 0.10	SERVICE STYLE WIDTH HEIGHT DEPTH CFM MAX. A.P.D. IN. W.C. MATERIAL INTAKE DRAINABLE 60 84 6 8430 0.10 ALUMINUM EXHAUST DRAINABLE 60 60 6 9375 0.10 ALUMINUM EXHAUST DRAINABLE 30 12 6 445 0.10 ALUMINUM EXHAUST DRAINABLE 24 12 6 305 0.10 ALUMINUM	SERVICE STYLE WIDTH HEIGHT DEPTH CFM MAX. A.P.D. INTAKE DRAINABLE 60 84 6 8430 0.10 ALUMINUM ANODIZED EXHAUST DRAINABLE 30 12 6 445 0.10 ALUMINUM ANODIZED EXHAUST DRAINABLE 24 12 6 305 0.10 ALUMINUM ANODIZED	SERVICE STYLE WIDTH HEIGHT DEPTH CFM A.P.D. IN. W.C. INTAKE DRAINABLE 60 84 6 8430 0.10 ALUMINUM ANODIZED YES EXHAUST DRAINABLE 30 12 6 445 0.10 ALUMINUM ANODIZED YES EXHAUST DRAINABLE 24 12 6 305 0.10 ALUMINUM ANODIZED YES

NOTES: 1. BASIS OF DESIGN: MFG GREENHECK, MODEL EDJ-601.

- 2. PROVIDE INSECT SCREEN AND BACKDRAFT DAMPER.
- 3. LOUVER SIZED AT 800 FPM.
- 4. SEE DETAIL 1/M501.

STEAM TO WATER HEAT EXCHANGER SCHEDULE

						HEATED WAT	ER (TUBES)		STEAM	(SHELL)	
TAG (HX-)	LOCATION	LENGTH (IN)	DIAM (IN)	NO OF PASSES	EWT (°F)	LWT (°F)	FLOW (GPM)	WPD (FT)	PRESS (PSIG)	CAP (LB/HR)	NOTES
HX-UC-1	MECH ROOM	52	10.5	2	160	180	50	0.65	5	510	(1) (2) (3)

NOTES: 1. BASIS OF DESIGN: BELL & GOSSETT TYPE SU.

- 2. PROVIDE A SKID MOUNTED SYSTEM.
- 3. SEE DETAIL 11/M502.

CONDENSATE PUMP SCHEDULE

			PUMP		RECEIVER	MO	TOR	CONTROI	L PANEL	
TAG (CP-)	LOCATION	QUANTITY	FLOW (GPM EA.)	PRESSURE (PSIG)		SIZE (HP)	VOLTS/ PHASE	UNIT MOUNTED	REMOTE MOUNTED	NOTES
CP-UC-1	MECH ROOM	1	9	22	6	1/3	115/1	_	Y	(1)

NOTES: 1. BASIS OF DESIGN: HOFFMAN PUMPS, MODEL WC.

FULLY SPRINKLERED Drawing Title Project Title Project Number

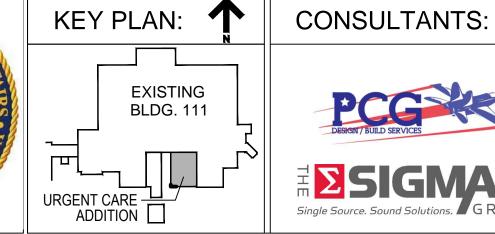
BID DOCUMENTS PROJECT LEADER: SCHEDULES 695-402 111 EXPAND URGENT CARE Office of Building Number 309 N. WATER ST. SUITE 650 MILWAUKEE, WI 53202 **Facilities** Management VA Medical Center, Milwaukee, WI Drawing Number Approved: Project Director PHONE: (414) 258-6004

Checked By: Drawn By:

EAO









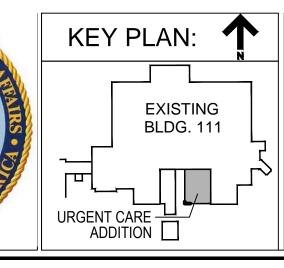




Revisions:

VA FORM 08-6231, OCT 1978

Department of Veterans Affairs Medical Center 5000 W. National Avenue Milwaukee, WI





CONSULTANTS:



Chequamegon BAY GROUP, INC.

		SCH
e	309 N. WATER ST. SUITE 650 MILWAUKEE, WI 53202 PHONE: (414) 258-6004	Approve
e		

VARIABLE AIR VOLUME UNIT WITH REHEAT SCHEDULE

UC EXAM 1366

NURSE STATIONS

EXAM ROOMS

UC EXAM ROOMS

UC EXAM ROOMS

STAFF WORKROOM

OFFICE

OFFICE

OFFICE

UC EXAM ROOM

ISO ROOM

ISO ROOM

CONSULT

WAITING ROOM

ELEC ROOM

EAT (°F) LAT (°F) EWT (°F) LWT (°F) MBH

180

180

180

180

180

180

180

180

180

180

180

160

160

160

160

160

160

160

160

8.9

8.0

0.5

0.5

0.5

0.9

0.9

0.5

1.7

0.5

85

85

85

85

85

85

85

85

85

85

85

55

55

55

55

55

55

INLET

DESIGN

625

360

290

235

150

180

125

160

250

265

170

495

360

NOTES: 1. VAV BOX TO HAVE DDC CONTROLLER.

3. SEE DETAILS 5/M501 AND 5/M502.

VAV-1365

VAV-1376

VAV-1378

VAV-1380

VAV-1383

VAV-1383A

VAV-1383B

VAV-1385

VAV-1386

VAV-1388

VAV-1390

VAV-1391

VAV-1392EC

CFM MIN CFM

625

1125

275

220

160

110

140

100

160

250

265

120

495

130

2. TIE VAV BOX CONTROLLERS TO EXISTING JCI METASYS BAS.

SCHEDULES	Project Title 111 EXPAND U	RGENT C	ARE
Approved: Project Director	Location: VA Medical Cen	ter, Milwa	ukee
	Date January 28th, 2016	Checked By: HFB	Drawr

Facilities Management

Office of

FULLY SPRINKLERED

BID DOCUMENTS

REMARKS

(1) (2) (3)

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(1) (2) (3)

(1) (2) (3)

(1) (2) (3)

(1) (2) (3)

1/2"

3/4"

4 0.5 35

3.7 4 0.5 35

16.2 | 1.7 | 4 | 0.5 | 35 | 3/4"

0.9 | 4 | 0.5 | 35 |

4 0.5 35

4 0.5 35

4 0.5 35

4 0.5 35

4 0.5 35

4 0.5 35

4 | 0.5 | 35

4 0.5 35

4 0.5 35

4 0.5 35

0.6 4 0.5 35

AIR COOLED CONDENSING UNIT SCHEDULE

MARK	LOCATION	SERVICE	TYPE	NOM. TONS	REFRIG. TYPE	SATURATED SUCTION	CONDENSER E.A.T. MIN. O. TEMP		TEMP.		COMPRESSOR		FAN	NS	OPERATING WEIGHT	REMARKS	
				10110		TEMP. (°F)	D.B.	(°F)	NUMBER	LRA	VOLTS/PH/HZ	NUMBER	HP	VOLTS/PH/HZ	(LBS.)		NOTES
ACCU-ERCT-1	ON GRADE	DXC-1	REMOTE	6	R410A	42	95	20	1	73	480/3/60	2	1/8	480/3/60	300	15 MCA, 20 MOCP	(1)

NOTES: 1. RELOCATE EXISTING UNIT.

AIR COOLED CHILLER SCHEDULE

				EVA	PORATOR	CONDITIONS)	CONDENSER CONDITIONS				EL	ECTRICAL DA	λΤΑ				
TAG	NOMINAL			EWT	LWT	FLOW	FOULING	AMBIENT	FAN	FAN							dBA @	
(CH-)	TONS	EER	PASSES	°F	°F	GPM	FACTOR	°F	QTY	KW	HP	MOP	MCA	V/PH/HZ	REFRIGERANT	WEIGHT	30'-0''	NOTES
CH-ERCT-1	11	_	_	_	_	_	_	105	2	_	15	_	_	460/3/60	_	397	_	(1)

NOTES: 1. RELOCATE EXISTING UNIT.

PUMP SCHEDULE

MARK	LOCATION	SERVICE	TYPE	FLOW GPM	PRESS LOSS FT	MO ⁻ RPM	MOTOR RPM HP VOLTS/PH/HZ		OPERATING WEIGHT LBS.	REMARKS
HWP-UC-1	MECHANICAL ROOM	HEATING	BASE MOUNTED	50	75	1,750	3	460/3/60	195	(1) (3) (4)
HWP-UC-2	MECHANICAL ROOM	HEATING	BASE MOUNTED	50	75	1,750	3	460/3/60	195	(1) (3) (4)
CHP-UC-1	MECHANICAL ROOM	CHILLED WATER	BASE MOUNTED	75	50	1,750	3	460/3/60	190	(1) (2) (3) (4)
CHP-UC-2	MECHANICAL ROOM	CHILLED WATER	BASE MOUNTED	75	50	1,750	3	460/3/60	190	(1) (2) (3) (4)

- 1. BASIS OF DESIGN: BELL & GOSSETT
- 2. 40% ETHYLENE GLYCOL. 3. VARIABLE SPEED DRIVE FURNISHED BY EC, INSTALLED BY MC.
- 4. SEE DETAIL 13/M501.

CONTROL VALVE SCHEDULE

COMINOL	VALVE SUME					
MARK	SERVICE	TYPE	FLOW (GPM)	LOCATION	NOTES	
CV-VAV-1365	VAV-1365	3-WAY VALVE	2.1	1365	1,2	
CV-VAV-1366	VAV-1366	3-WAY VALVE	3.7	1365	1,2	
CV-VAV-1369	VAV-1369	3-WAY VALVE	1.7	C1AS19	1,2	
CV-VAV-1376	VAV-1376	3-WAY VALVE	0.9	C1AS20	1,2	
CV-VAV-1378	VAV-1378	3-WAY VALVE	0.8	C1AS20	1,2	
CV-VAV-1380	VAV-1380	3-WAY VALVE	0.6	C1AS20	1,2	
CV-VAV-1383	VAV-1383	3-WAY VALVE	0.5	1385	1,2	
CV-VAV-1383A	VAV-1383A	3-WAY VALVE	0.5	1383A	1,2	
CV-VAV-1383B	VAV-1383B	3-WAY VALVE	0.5	1385B	1,2	
CV-VAV-1385	VAV-1385	3-WAY VALVE	0.6	1385	1,2	
CV-VAV-1386	VAV-1386	3-WAY VALVE	0.9	1386	1,2	
CV-VAV-1388	VAV-1388	3-WAY VALVE	0.9	1388	1,2	
CV-VAV-1390	VAV-1390	3-WAY VALVE	0.5	1389	1,2	
CV-VAV-1391	VAV-1391	3-WAY VALVE	1.7	1391	1,2	
CV-VAV-1392EC	VAV-1392EC	3-WAY VALVE	0.5	1391	1,2	

- RECOMMENDATION. CONTRACTOR IS RESPONSIBLE TO VERIFY AND INCLUDE AS REQUIRED ADDITIONAL VALVES FOR PROPER OPERATION. 2. SEE PLANS AND DETAILS FOR ADDITIONAL INFORMATION AND COMPONENTS.

PROJECT LEADER:

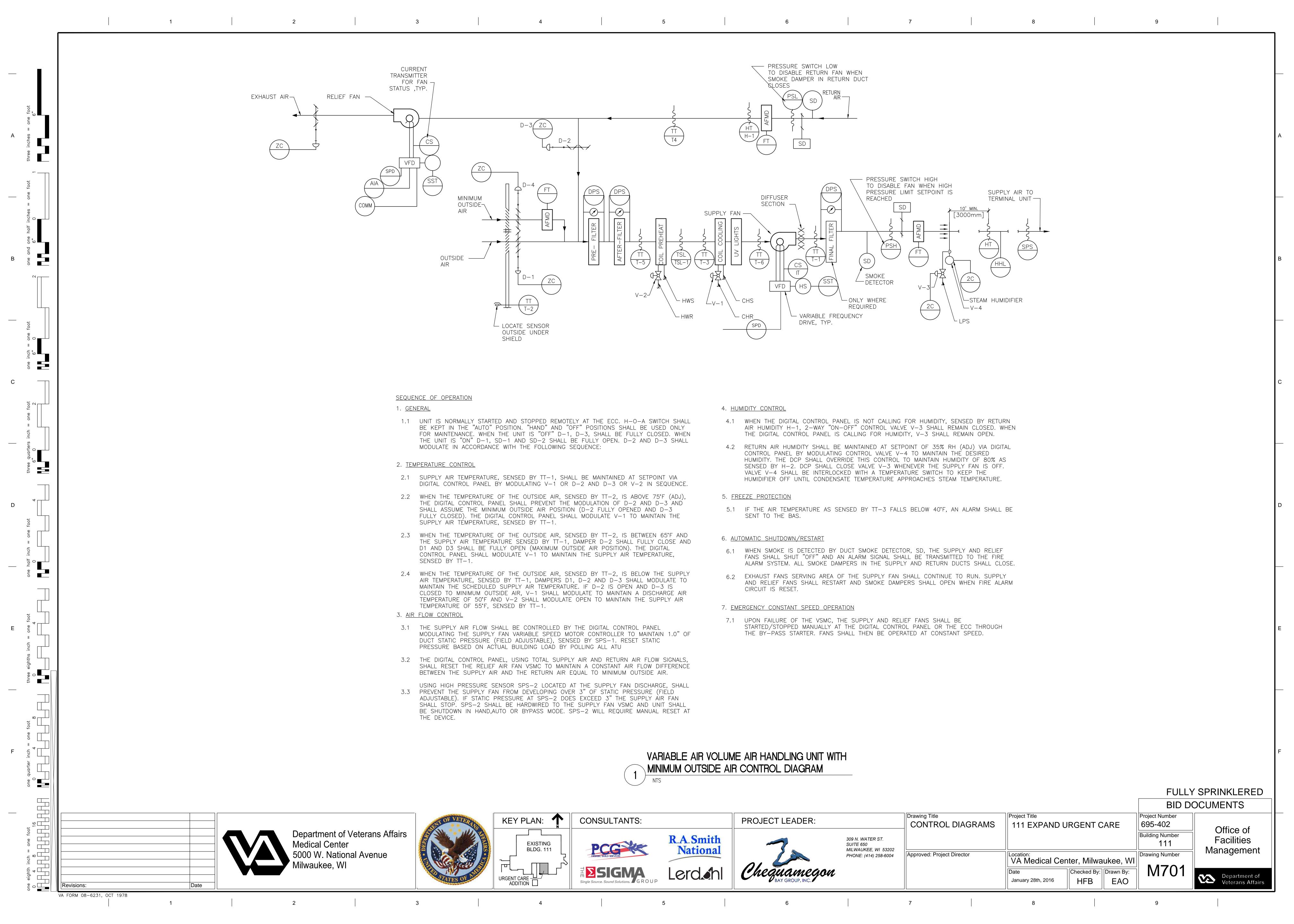
Drawing Number

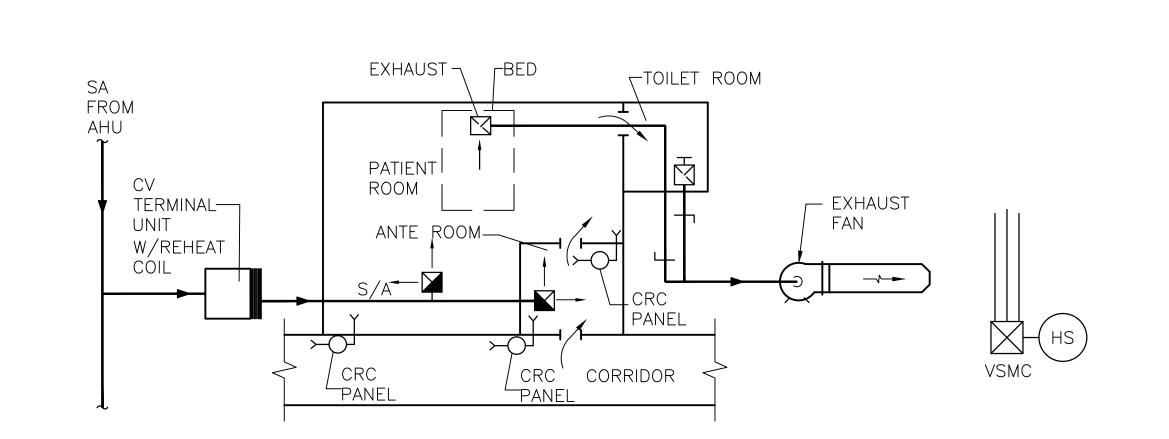
Project Number

695-402

Department of Veterans Affairs

1. THE VALVE SCHEDULE IS INTENDED TO BE A MINIMUM LIST OF VALVES. ADDITONAL VALVES MAYBE REQUIRED BY MANUFACTURERS





GENERAL NOTES:

- 1. MAINTAIN NEGATIVE AIR PRESSURE (0.01 INCH WATER COLUMN) BETWEEN THE AII ROOM AND THE ANTEROOM AND THE ANTEROOM AND THE CORRIDOR. AII ROOMS SHALL HAVE A PERMANENTLY INSTALLED DEVICE AND/OR MECHANISM TO CONSTANTLY MONITOR THE DIFFERENTIAL AIR PRESSURE BETWEEN THE PATIENT ROOM AND THE CORRIDOR. A LOCAL VISUAL MEANS SHALL BE PROVIDED TO INDICATE WHENEVER NEGATIVE DIFFERENTIAL PRESSURE IS NOT MAINTAINED. (STROBE LIGHT)
- MAINTAIN THE ATTACHED TOILET, IF ANY, AT NEGATIVE AIR PRESSURE 2. WITH RESPECT TO THE AII ROOM. HOWEVER, THE DESIGN NEED NOT INCLUDE A PRESSURE DIFFERENTIAL SENSOR FOR VERIFICATION.
- LOCATE EXHAUST AIR REGISTER OVER THE PATIENT BED ON THE CEILING. 3. AS AN ALTERNATE, THE EXHAUST AIR REGISTER CAN BE LOCATED ON THE WALL NEAR THE PATIENT HEAD, IF FEASIBLE.
- LOCATE THE SUPPLY AIR OUTLET TO BLOW AIR TOWARDS THE OCCUPIED 4. AREA.
- PROVIDE A DEDICATED EXHAUST SYSTEM FOR THE AII ROOMS WITHOUT 5. MIXING IT WITH ANY OTHER EXHAUST.

AIR SYSTEM FOR AIRBORNE INFECTION ISOLATION ROOM (AII)(WITH ANTE ROOM)

) THERMOSTAT

UNIT HEATER (HOT WATER)

A. THERMOSTAT: SINGLE SETPOINT.

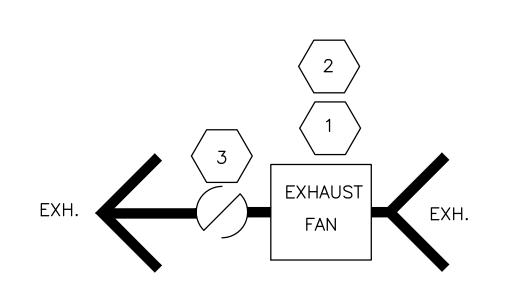
B. CONTROL VALVE: TWO-WAY (OR THREE-WAY WHERE INDICATED), MODULATING, NORMALLY OPEN.

SEQUENCE OF OPERATION

VA FORM 08-6231, OCT 1978

- 1. RISE IN SPACE TEMPERATURE ABOVE SETPOINT: FAN: CYCLE OFF, CONTROL VALVE: MODULATE TO FULLY CLOSED.
- 2. DROP IN SPACE TEMPERATURE BELOW SETPOINT: FAN: CYCLE ON, CONTROL VALVE: MODULATE TO FULLY OPEN

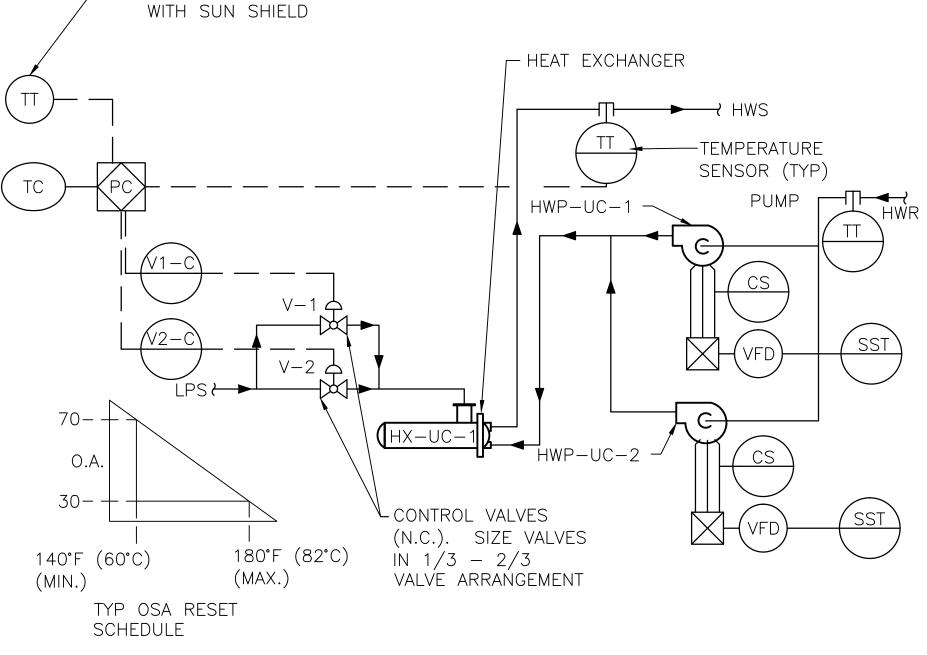




<u>SEQUENCE</u> <u>OF</u> <u>OPERATION:</u> EXHAUST FAN RUNS CONTINUOUSLY DURING OCCUPIED HOURS. EXHAUST FAN TO SHUT DOWN DURING UNOCCUPIED HOURS.

CONTROL POINT **ENGINEERING NOTES:** POINT DESCRIPTION FAN START/STOP CURRENT SENSOR BACKDRAFT DAMPER

EXHAUST FAN CONTROL



- AMBIENT TEMPERATURE TRANSMITTER

1. STEAM CONTROL VALVE SHALL MODULATE TO MAINTAIN THE LEAVING HOT WATER TEMPERATURE AT SET

2. THE LEAVING HOT WATER TEMPERATURE SHALL BE RESET INVERSELY WITH THE OUTDOOR TEMPERATURE AS SCHEDULED.

3. THE LEAD AND LAG PUMPS AND HEAT EXCHANGERS SHALL BE SEQUENTIAL BY THE OPERATOR CONTROLS AT THE PRE-DETERMINED INTERVAL (USUALLY 7 DAYS). IN THE EVENT THE PUMP FAILS TO START WITHIN 30 SECONDS, AN ALARM SHALL BE INITIATED AND THE SECOND PUMP SHALL START AUTOMATICALLY. PUMP SHALL BE ON A VFD AND SHALL ADJUST WATER FLOW TO MAINTAIN LEAVING HOT WATER TEMPERATURE SETPOINT.

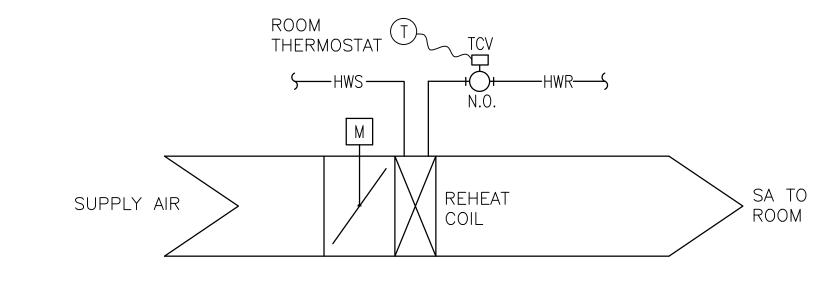
1. V1 ($\frac{1}{3}$ CAPACITY) MODULATING FULLY OPEN TO MAINTAIN SET POINT

2 .V2 (3 CAPACITY) MODULATE FULLY OPEN TO MAINTAIN SET POINT.

3. BOTH V1 & V2 MODULATE TOGETHER TO MAINTAIN SET POINT.

HEAT EXCHANGER CONTROLS

(HEATING SYSTEM)

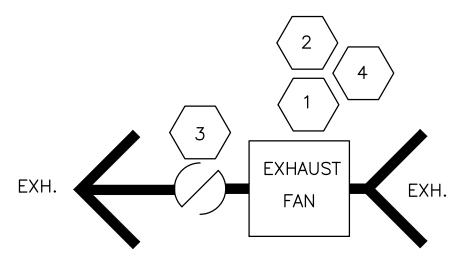


- A. BOX MANUFACTURER SHALL SHIP BOX TO TEMPERATURE CONTROL CONTRACTOR. FURNISH AND INSTALL DIRECT DIGITAL CONTROLLER ON BOX AND TURN BOX OVER TO HEATING CONTRACTOR FOR INSTALLATION.
- B. THERMOSTAT: SINGLE POINT MONITORING AND CONTROL.
- C. CONTROL VALVE: TWO-WAY, MODULATING, NORMALLY OPEN.

SEQUENCE OF OPERATION

- 1. RISE IN SPACE TEMPERATURE ABOVE SETPOINT:BOX ACTUATOR: MODULATE TO MAXIMUM OPEN POSITION. REHEAT COIL VALVE: FULLY CLOSED.
- 2. DROP IN SPACE TEMPERATURE BELOW SETPOINT:
- 1. FIRST STEP: BOX ACTUATOR: MODULATE TO MINIMUM OPEN POSITION. REHEAT COIL VALVE: FULLY CLOSED.
- 2. SECOND STEP: MODULATE REHEAT COIL VALVE TO FULLY OPEN. 3. THIRD STEP (WHERE INDICATED BY A REHEAT CFM ON THE VAV REHEAT BOX SCHEDULE): BOX ACTUATOR: MODULATE TO MAXIMUM OPEN. REHEAT COIL VALVE: FULLY OPEN.

VARIABLE AIR VOLUME BOX CONTROL



SEQUENCE OF OPERATION: EXHAUST FAN 111-EF-0305D EF-5 EXHAUST FAN TO MAINTAIN MINIMUM AIRFLOW UNLESS ROOM TEMPERATURE OF 75°F (ADJ) IS REACHED, AT WHICH POINT IT SHALL RUN AT MAXIMUM AIRFLOW.

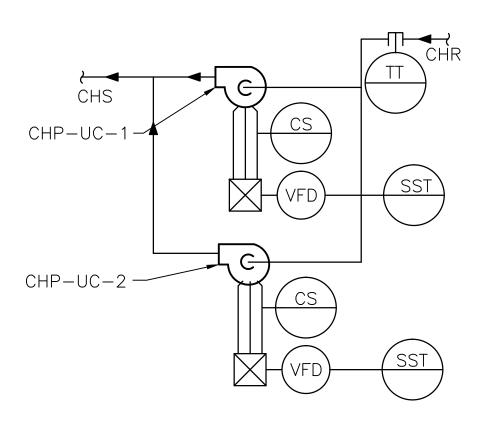
ENGINEERING NOTES:

CONTROL POINT POINT DESCRIPTION

FAN START/STOP CURRENT SENSOR

BACKDRAFT DAMPER VARIABLE FREQUENCY DRIVE

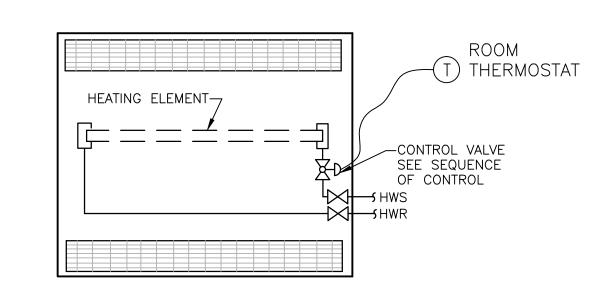
EXHAUST FAN CONTROL -MECHANICAL ROOM



SEQUENCE OF OPERATION: I. THE LEAD AND LAG PUMPS SHALL BE SEQUENTIAL BY THE OPERATOR CONTROLS AT THE PRE—DETERMINED INTERVAL (USUALLY 7 DAYS). IN THE EVENT THE PUMP FAILS TO START WITHIN 30 SECONDS, AN ALARM SHALL BE INITIATED AND THE SECOND PUMP SHALL START AUTOMATICALLY. PUMP SHALL BE ON A VFD AND SHALL ADJUST WATER FLOW TO MAINTAIN

CHILLED WATER PUMPS CONTROL

LEAVING HOT WATER TEMPERATURE SETPOINT.



CONVECTOR (HOT WATER)

- A. THERMOSTAT: SINGLE SETPOINT.
- B. CONTROL VALVE: TWO-WAY, MODULATING, NORMALLY OPEN.

SEQUENCE OF OPERATION

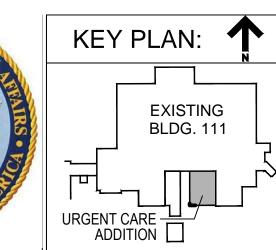
- 1. RISE IN SPACE TEMPERATURE ABOVE SETPOINT: CONTROL VALVE: MODULATE TO FULLY CLOSED.
- 2. DROP IN SPACE TEMPERATURE BELOW SETPOINT: CONTROL VALVE: MODULATE TO FULLY OPEN.

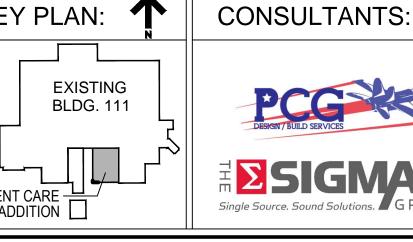
HOT WATER CONVECTOR CONTROL

FULLY SPRINKLERED

Department of Veterans Affairs Medical Center 5000 W. National Avenue Milwaukee, WI













PROJECT LEADER:



Drawing Title Project Title CONTROL DIAGRAMS 111 EXPAND URGENT CARE Approved: Project Director

VA Medical Center, Milwaukee, WI Checked By: Drawn By: EAO January 28th, 2016 HFB

Project Number 695-402 Office of Building Number **Facilities** Management Drawing Number

BID DOCUMENTS

MOUNTING AFF TO BOX CENTERLINE POWER PLAN **ACCESS CONTROLS & SECURITY** COORDINATE FINAL LOCATION WITH ARCHITECT GENERAL NOTES (P) DOOR OPERATED PUSH PLATE TRANSFORMER TELEPHONE TERMINAL CABINET 1. CONTRACTOR SHALL BE RESPONSBILE FOR ALL WORK SHOWN ON THESE PLANS, UNLESS OTHERWISE NOTES. CLOSED CIRCUIT TELEVIONS CAMERA (CCTV) PANEL BOARD - SURFACE MOUNTED, NEW PUSH PLATE WALL SWITCH 2. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE VA REGULATIONS. CARD READER 3. ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK WITH OTHER CONTRACTORS NON FUSED DISCONNECT SWITCH DOOR CONTACT AND ARCHITECT DURING ROUGH-IN. WORKING CLEARANCE ABOUT ELECTRICAL EQUIPMENT ELECTROMAGNETIC LOCK FP FUSED DISCONNECT SWITCH 4. CONCEAL ALL CONDUIT IN WALL, PARTITIONS AND ABOVE CEILING. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATINS. CONDUIT IN MECHANICAL ROOMS, AND STROAGE ROOMS **ELECTRONIC STRIKE B**P BREAKER DISCONNECT SWITCH WITHOUT CEILING MAY BE EXPOSED ON BULDING STUCTURE. PANEL AND CIRCUITS; PANEL A, CIRCUITS 1,3,5 CLOSED CIRCUIT TELEVISION MONITOR (CCTVM) MAGNETIC MOTOR STARTER ALL ELECTRICAL AND SYSTEMS RELOCAION AND SHUT-DOWNS THAT WILL INTERRUPT SERVICE TO (C) LIGHTING CONTACTOR **MOTION SENSOR - INFRARED** OCCUPIED AREAS BEYOND THE LIMITS OF CONSTRUCTION SHALL BE COMPLETED START TO FINISH COMBINATION MOTOR STARTER IN IMMEDIATE SUCCESSION TO LIMIT UN-OCCUPANCY. WORK IN NON-PATIENT AREAS SHALL START REQUEST FOR EXIT - MOTION AFTER NORMAL BUSINESS HOURS TO MINIMIZE DISRUPTIONS. COORDINATE SHUT-DOWN TIME WITH DUPLEX RECEPTACLE, MOUNTED AT 18" TO CENTER U.N.O. **REQUEST FOR EXIT - PUSH BUTTON** COTR. NOTIFY COTR (2) WEEKS IN ADVANCE OF ALL UTILITY INTERRUPTIONS. MANUAL STARTER W/OVERLOAD VIDEO RECORDER DUPLEX RECEPTACLE, CRITICAL POWER, MOUNTED AT 18" TO CENTER U.N.O. PROTECTION CONTRACTOR SHALL X-RAY SCAN THE FLOOR AT ALL FLOOR PENETRATION LOCATIONS TO VERIFY THERE IS NO OBSTRUCTIONS PRIOR TO MAKING ANY PENETRATIONS. **DURESS ALARM BUTTON - WALL MOUNT** VARIABLE FREQUENCY DRIVE (VFD) DOUBLE DUPLEX RECEPTACLE, CRITICAL POWER, MOUNTED AT 18" TO CENTER U.N.O. 7. CONTRACTOR IS TO FIRE STOP AND SEAL ALL FLOOR AND WALL PENETRATIONS AT THE END OF JUNCTION BOX ■ DOUBLE DUPLEX RECEPTACLE, MOUNTED AT 18" TO CENTER U.N.O. EACH WORK SHIFT. IF FIRE STOPPING CANNOT BE PERFORMED AT THE END OF THE WORK SHIFT; **ABBREVIATIONS** THE HOLE NEEDS TO BE STUFFED WITH MINERAL WOOL INSULATION, TAGGED WITH AN ORANGE GROUND BAR ILSM TAG INDICATING PROJECT NAME, PRIME CONTRACTOR NAME AND PHONE NUMBER, FLOOR DUPLEX RECEPTACLE CONTRACTOR PERFORMING CORING, DATA HOLE IS MADE, AND DATE HOLE WILL BE FIRE STOPPED (MAXIMUM OF 30 DAYS LATER). A AMPERES MOTOR © CEILING MOUNTED DUPLEX RECEPTACLE AF AMPERE FRAME 8. IN THE CASE OF CONFLICTS OR DISCREPANCIES WITHIN OR AMONG THE CONTRACT DOCUMENTS, AFF ABOVE FINISHED FLOOR THE BETTER QUALITY, MORE STRINGENT REQUIREMENTS OR GREATER QUALITY OF WORK, AS AMP AMPERES SPECIAL PURPOSE OUTLET, MOUNTED AT 18" TO CENTER U.N.O. DETERMINED BY THE GOVERMENT, SHALL BE PROVIDED. AT AMPERES TRIP X: OUTLET NUMBER AV AUDIO VISUAL 9. THE RISER DIAGRAM, FLOOR PLANS, AND DATABASE OF ELECTRICAL PANELS, LOCATIONS, AND REFER TO OUTLET SCHEDULE AWG AMERICAN WIRE GUAGE FEEDS ARE COMPILED FROM DOCUMENTATION PROVIDED BY THE VA. C CONDUIT RECEPTACLE DESIGNATIONS CONN CONNECTION 10. FIELD SURVEY WAS COMPLETED TO VERIFY ONLY THE EXISTING CONDITIONS THAT COULD NOT EC ELECTRICAL CONTRACTOR BE OBTAINED THROUGH DOCUMENTATION PROVIDED FROM THE VA AND TO VERIFY INFORMATION GFI GROUND FAULT INTERRUPTING GEN GENERATOR PROVIDED BY THE VA. TP or TR TAMPER RESISTANT GFCI GROUND FAULT CIRCUIT INTERRUPTER WP WEATHERPROOF WITH GROUNT FAULT INTERRUPTING GFI GROUND FAULT INTERRUPTER 11. USE OF THIS INFORMATION SHALL REQUIRE FIELD VERIFICATION PRIOR TO APPLICATION TO ANY IG ISOLATED GROUND - NOT USED THIS PROJECT GND GROUND WORK. / +X" SLASH OVER SYMBOL INDICATED SPECIFIED MOUNTING HEIGHT AS IMT INTERMEDIATE METALLIC CONDUIT NOTED IN ARCHITECTURAL ELEVATION MFRS MANUFACTURER'S OTHER SYMBOLS SUCH AS PRT (PRINTER) OR MON (MONITOR) INDICATE NEC NATIONAL ELECTRICAL CODE SPECIFIC EQUIPMENT SERVED BY RECEPTACLE. COORDINATE LOCATION NTS NOT TO SCALE AND MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS. P POLE PH PHASE PNLBD PANEL BOARD RM ROOM UON UNLESS OTHERWISE NOTED **UNO UNLESS NOTED OTHERWISE** VA VETERANS ADMINISTRATION VFD VARIABLE FREQUENCY DRIVE W/ WITH SHEET SYMBOLS W WIRE XFMR TRANSFORMER **ONE-LINE DIAGRAMS** ATS AUTOMATIC TRANSFER SWITCH EMT ELECTRICAL METALLIC TUBING DETAILS AND SECTIONS DESIGNATION EXT EXISTING KAIC KILO-AMPERES INTERRUPTING CAPACITY TRANSFORMER FUSE EQUIPMENT DESIGNATION. TOP DESIGNATES EQUIPMENT ABBREVIATION. **KVA KILOVOLT-AMPERES** MC MECHANICAL CONTRACTOR BOTTOM DESIGNATES EQUIPMENT NUMBER. GROUNDED "Y" SYSTEM METER WITH CURRENT TRANSFORMER REVISION NUMBER DESIGNATION **AUTOMATIC TRANSFER SWITCH** MOLDED CASE CIRCUIT BREAKER NOTE DESIGNATION SWITCH - ONE LINE DIAGRAM **GROUND ROD** INFORMATION TECHNOLOGY MOUNTING AFF TO BOX CENTERLINE COORDINATE FINAL LOCATION WITH ARCHITECT SECTION REFERENCE. TOP DESIGNATES SECTION NUMBER ### TRANSIENT VOLTAGE SURGE SUPRESSION BOTTOM DESIGNATES ON WHICH SHEET SECTION APPEARS SLASH OVER SYMBOL INDICATED CATV OUTLET, MOUNTED 18" AFF U.N.O. +X" SPECIAL MOUNTING HEIGHT AS NOTED DATA OUTLET WAP WIRELESS ACCESS FOR MEDICAL USE WIRELESS ACCESS POINT SINGLE DATA PORT, U.N.O. MOUNTING AFF TO BOX CENTERLINE LIGHTING COORDINATE FINAL LOCATION WITH ARCHITECT TELEPHONE/DATA OUTLET NURSE CALL SYSTEM MOUNTING AFF TO BOX CENTERLINE COORDINATE FINAL LOCATION WITH ARCHITECT WIRELESS ACCESS POINT * IDENTIFIES NUMBER OF X: EQUIPMENT ID. (TYPICAL) FOR PUBLIC USE EXIT SIGN ,ALIGN TOP OF FIXTURE WITH TOP OF DATA / TELEPHONE PORTS DOOR FRAME, ARROW INDICATES DIRECTION. EXAMPLE: 3D/3T = 3 DATA / 3 TEL PORTS LIGHTING DESIGNATIONS: CAMERA OUTLET M NURSE CALL DOMELIGHT EXIT SIGN CEILING MOUNTED, ARROW INDICATES SINGLE DATA PORT, U.N.O. = COORIDOR DOME LIGHT TELEPHONE OUTLET NL- NIGHTLIGHT DIRECTION. = AUXILIARY INTERSECTIONAL DOME LIGHT LCP- LIGHTING CONTROL PANEL SINGLE TELEPHONE PORT U.N.O SPEAKER - CEILING MOUNTED MOUNTED AT 18" AFF U.N.O. N NURSE CALL STATION EMERGENCY EGRESS LIGHT, BATTERY OPERATED W = WALL PHONE MOUNTED AT 48" AFF CLOCK - WALL MOUNTED LINEAR FLUORESCENT LUMINAIRE = SINGLE PATIENT STATION = AUXILIARY JACK OCCUPANCY SENSOR 1 X 4 TROFFER, DIRECTIONAL ARROW INDICATES PRIMARY LUMEN ORIENTAT AN = ANNUNCIATORINDICATES PRIMARY LUMEN ORIENTATION IF = DUTY STATION PANEL NOMENCLATURE LEGEND: WIRE COLOR CODING NOTE APPLICABLE = EMERGENCY SHOWER, TUB, OR TOILET LOCATION 15A/20A LIGHT SWITCH, MOUNTED 48" AFF = TELEVISION CHANNEL INTERFACE 2P 2 POLE TOGGLE SWITCH TYPICAL PANEL DESCRIPTION - OTHER THAN EDH PANELS UNLESS NOTED OTHERWISE, CABLING SHALL BE COLORED AS = PUSH FOR HELP STATION 2 X 4 TROFFER 2 WAY TOGGLE SWITCH (1) - EMERGENCY SUPPLY; FOR NORMAL SUPPLY "E" IS DROPPED FOLLOWS: = STAFF TERMINAL 3 WAY TOGGLE SWITCH (2) - "L" = LIGHTING; "U" = UTILITY; "P" = POWER; "D" = DISTRIBUTION 4WAY TOGGLE SWITCH (3) - "H" = 277/480V: "L" = 120/208V 208/120V POWER NCS NURSE CALL MASTER STATION LIGHT FIXTURE, FILL INDICATES DIMMER SWITCH (4) - "LS" = LIFE SAFETY: "CR" = CRITICAL: "Q" = EQUIPMENT A-PHASE = BLACK EMERGENCY (TYPICAL) KEY OPERATED B-PHASE = RED (5) - PANEL LOCATION BY FLOOR AND AREA (I.E. 2ND FLOOR "A" WING NORTH) NCT NURSE CALL TERMINAL MOTOR PROTECTION DEVICE C-PHASE = BLUE (6) - MULTIPLE PANEL NAME IDENTIFIER OS OCCUPANCY SENSOR NEUTRAL = WHITE PILOT LIGHT TYPICAL EDH PANEL DESCRIPTION GROUND = GREEN MOUNTING HEIGHT SCHEDULE: EMERGENCY SUPPLY: FOR NORMAL SUPPLY "E" IS DROPPED INTEGRAL TIME 480/277V POWER NURSE CALL STATION (SHOWER & TOILET) RECESSED DOWNLIGHT, DIRECTIONAL VS VACANCY SENSOR (2) - "L" = LIGHTING; "U" = UTILITY; "P" = POWER; "D" = DISTRIBUTION A-PHASE = BROWN NURSE CALL DOME LIGHT **2IN ABOVE DOOR FRAME** ARROW HEAD INDICATES PRIMARY LUMEN (3) - "H" = 277/480V: "L" = 120/208V B-PHASE = YELLOW BOLLARD NURSE CALL ROOM STATION ORIENTATION IF APPLICABLE (7) - FEEDING SWITCHBOARD NUMBER C-PHASE = ORANGE NURSE CALL STAFF CONSOLE 54IN (8) - CIRCUIT FROM FEEDING SWITCHBOARD NEUTURAL = GRAY OR WHITE WITH OTHER THAN GREEN TRACER NURSE CALL BED CONNECTOR WALL LUMINAIRE 18IN POLE LIGHT FIXTURE (4) - "LS" = LIFE SAFETY: "CR" = CRITICAL: "Q" = EQUIPMENT GROUND = GREEN **ABOVE CEILING** NURSE CALL ROOM CONTROL BOARD (9) - ORIGINAL EDH NUMBER IDENTIFIER FIRE ALARM CABLING = RED ADA DOOR ACTUATOR 44IN DATA CABLING REAL TIME (CAT5E): PURPLE JACKET PENDANT / SUSPENDED / SURFACE DATA CABLING REAL DATA (CAT5E): WHITE JACKET VOICE CABLING (CAT5E): BLUE JACKET WIRELESS ACCESS POIŃT (CAT5E): GRAY JACKET SECURITY CABLING: YELLOW JACKET **FULLY SPRINKLERED BID DOCUMENTS** Drawing Title Project Title Project Number CONSULTANTS: **KEY PLAN:** PROJECT LEADER: SYMBOLS AND 111 EXPAND URGENT CARE 695-402 Department of Veterans Affairs **ABBREVIATIONS** Building Number R.A. Smith 309 N. WATER ST. **Medical Center EXISTING** SUITE 650 **National** BLDG. 111 MILWAUKEE, WI 53202 5000 W. National Avenue Approved: Project Director **Drawing Number** PHONE: (414) 258-6004 VA Medical Center, Milwaukee, W Milwaukee, WI Chequamegon BAY GROUP, INC. Lerdahl **SIGMA** Checked By: Drawn By: URGENT CARE ____/ ADDITION ___ WFM WFM January 28th, 2016 Date Revisions:

Office of

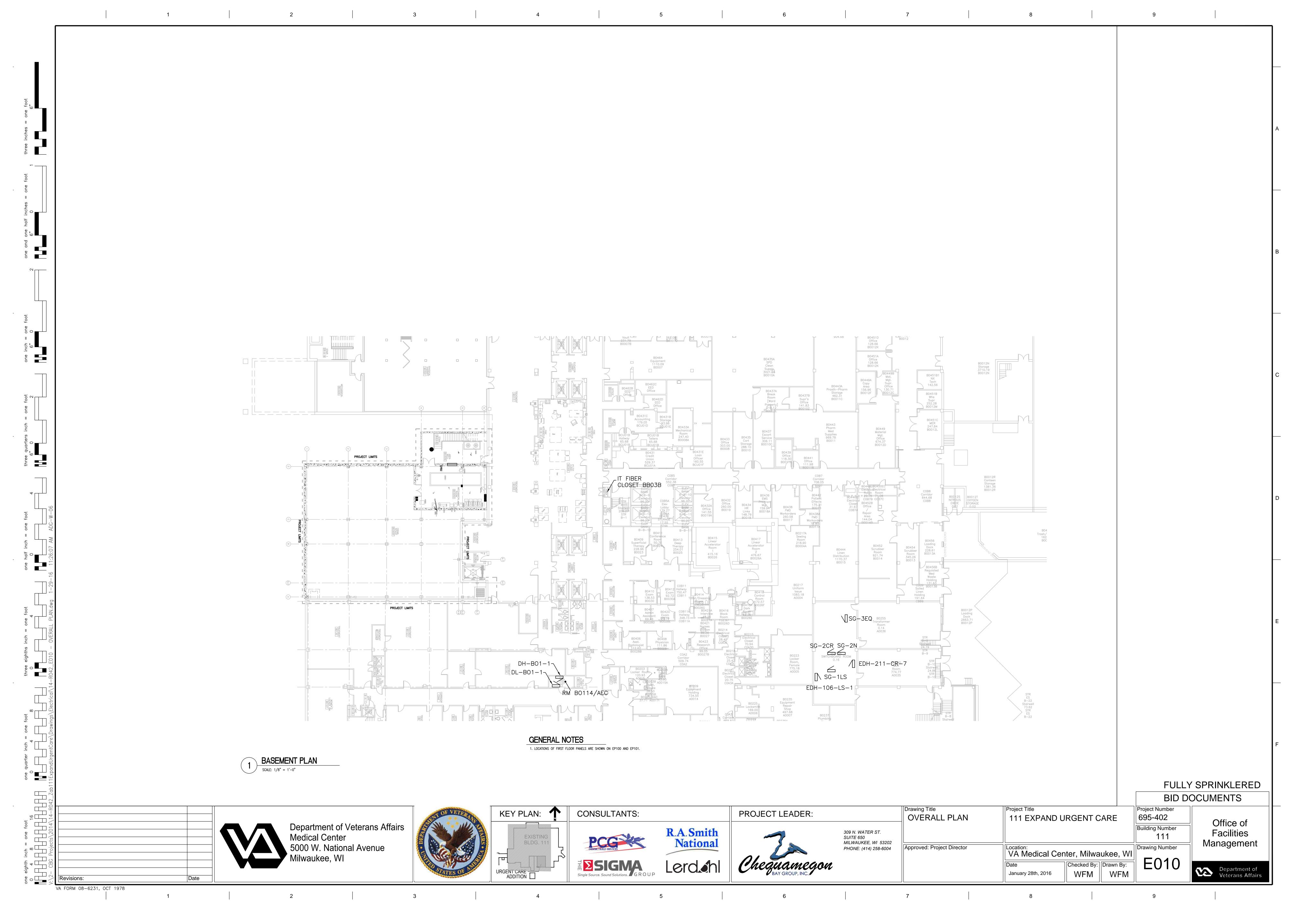
Facilities

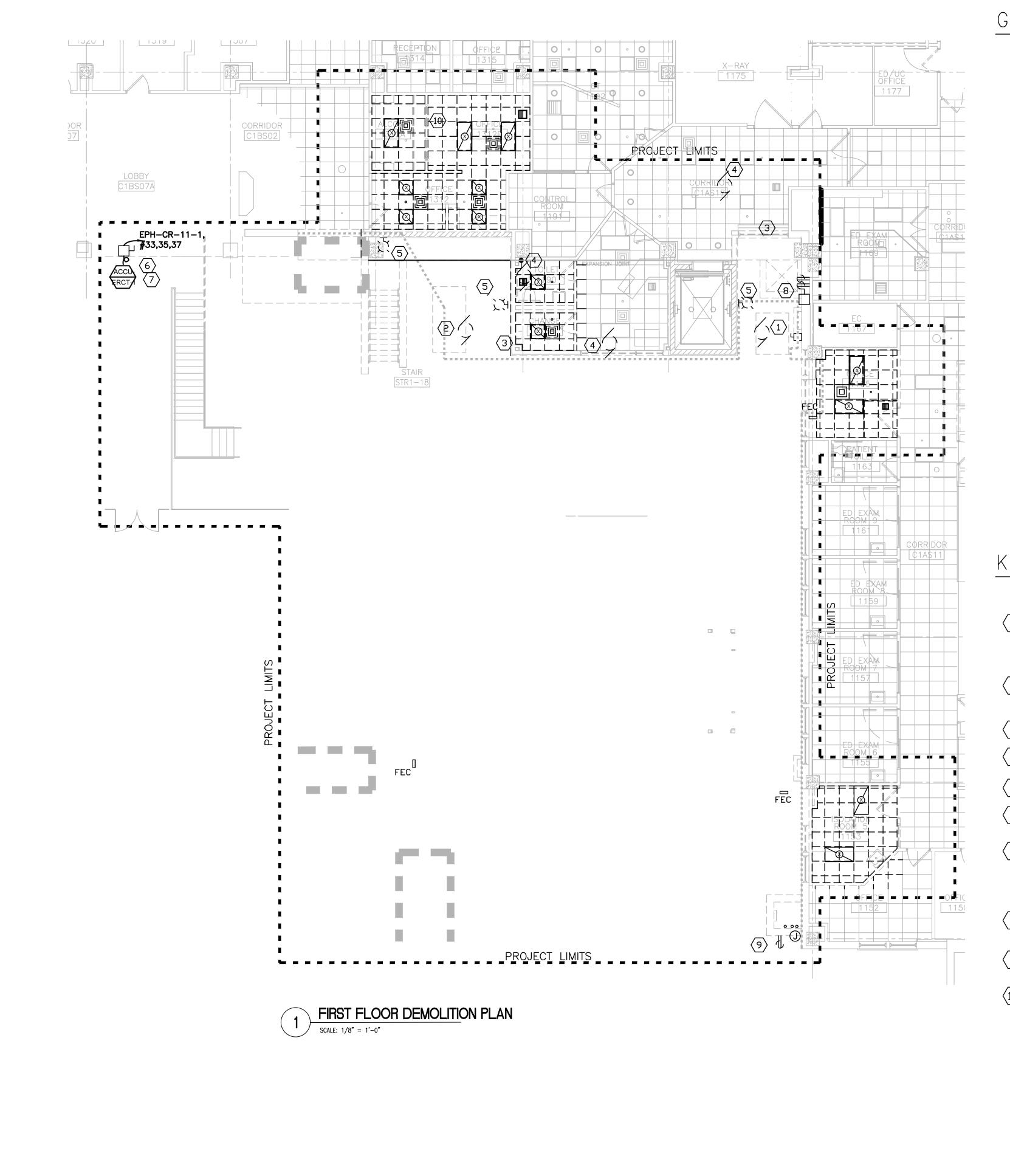
Management

Department of Veterans Affairs

16

VA FORM 08-6231, OCT 1978





GENERAL NOTES

- 1. CONTRATOR SHALL COORDINATE REMOVAL AND REPLACEMENT OF ANY ELECTRICAL CEILING DEVICES (I.E. LIGHT FIXTURES, FIRE ALARMS, ETC.) OUTSIDE THE AREA OF WORK TO ACCOMMODATE THE NEW CONSTRUCTION.
- 2. ALL WIRING PASSING THROUGH AREA OF DEMOLITION WHICH IS NOT PART OF DEMOLITION SHALL REMAIN SUPPORTED FROM STRUCTURE ABOVE CEILING. CONTRACTOR SHALL RESUPPORT WIRING AND LIGHTING IF NECESSARY AFTER DEMOLITION HAS FINISHED. MAINTAIN THE LIGHTING CIRCUITS AND FIRE ALARM SYSTEM SERVING AREA BEYOND SCOPE OF WORK.
- 3. PATCH AND SEAL ALL REMAINING OPENINGS THROUGH FLOORS AND WALLS RESULTING FROM DEMOLITION OR NEW WORK WITH MATERIALS AND FINISHES TO MATCH EXISTING CONSTRUCTION AND TO MAINTAIN FIRE RATING.
- 4. CONTRACTOR TO FOLLOW PHASING PLAN; REFER TO SHEET G103 AND ARCHITECTURAL DEMOLTION PLANS FOR PHASING, TEMPORARY CONSTRCUTION PARTITION LOCATIONS AND LIMITATION ON HOURS OF WORK, AND DEMOLITION METHODS.
- 5. DEMOLITION PLAN IS BASED ON SITE SURVEY AND AS-BUILTS AND EACH DEVICE TO BE DEMOLISHED MAY NOT BE SHOWN. CONTRACTOR TO BE RESPONSIBLE TO VERIFY ALL DIMENSIONS, DEVICES TO BE DEMOLISHED, ALL EXISTING CONDITIONS, AND ALL POINTS OF CONNECTION AT JOB SITE PRIOR TO START OF WORK.

KEYED NOTES

- EXISTING AIR COOLED CONDITIONING UNIT TO BE DISCONNECTED BACK TO SOURCE BY EC. REUSE EXISTING COMBINATION STARTER AND RECONNECT IN TEMPORARY LOCATION AS SHOWN ON THIS SHEET. UNIT TO BE RELOCATED TO PERMANENT LOCATION ON EP100.
- EXISTING CHILLER INCLUDING ASSOCIATED DISCONNECTS TO BE DISCONNECTED BACK TO SOURCE BY EQ. LINIT TO BE DESCRIPTION TO BE DISCONNECTED. BACK TO SOURCE BY EC. UNIT TO BE RELOCATED BY MC. SEE E102 FOR NEW
- (3) EC SHALL DISCONNECT POWER TO LOUVERS AND DEMOLISHED BY MC.
- EXISTING EXHAUST FAN TO BE DISCONNECTED BACK TO SOURCE BY EC AND DEMOLISHED BY MC. REMOVE ASSOCIATED STARTERS AND CONTROLS.
- $\langle 5 \rangle$ Existing Luminaire to be disconnected back to source by EC.

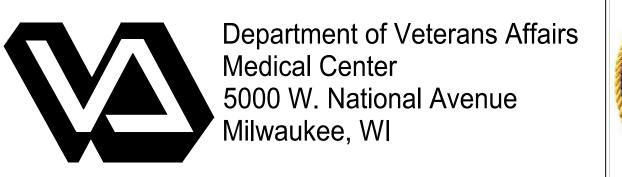
COORDINATE WITH MECHANICAL TRADES.

- TEMPORARY LOCATION OF EXISTING AIR COOLED CONDITIONING UNIT BEING RELOCATED; COORDINATE EXACT LOCATION WITH MECHANICAL TRADES.
- 7 DEMOLITION, RELOCATION, AND TEMPORARY INSTALLATION TO BE COMPLETED OVER A WEEKEND WITH AT LEAST THREE WEEKS NOTICE TO VA. COORDINATE WITH MECHANICAL TRADES. RELOCATION TO PERMANENT LOCATION ON EP100 TO OCCUR OVER A WEEKEND WITH THREE WEEKS ADVANCE NOTICE TO THE VA.
- 8 REMOVE DISCONNECT AND DUPLEX RECEPTACLES ASSOCIATED WITH RELOCATION OF AIR COOLED CONDENSING UNIT.
- REMOVE RECEPTACLES, CONDUIT, J-BOXES, AND WIRING AT ACCESS WELL BACK TO SOURCE.
- REMOVE QUAD AND DUPLEX RECPETACLES INSTALLED IN WALL PRIOR TO DEMOLITION. REMOVE A/V BOXES, RECEPTACLES AND WIRING BACK TO SOURCE PRIOR TO DEMOLITION.

Project Number

695-402

FULLY SPRINKLERED BID DOCUMENTS

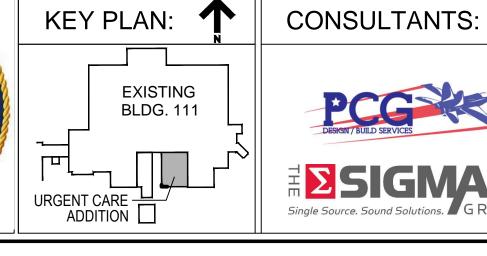


Date

Revisions:

VA FORM 08-6231, OCT 1978











PROJECT LEADER:

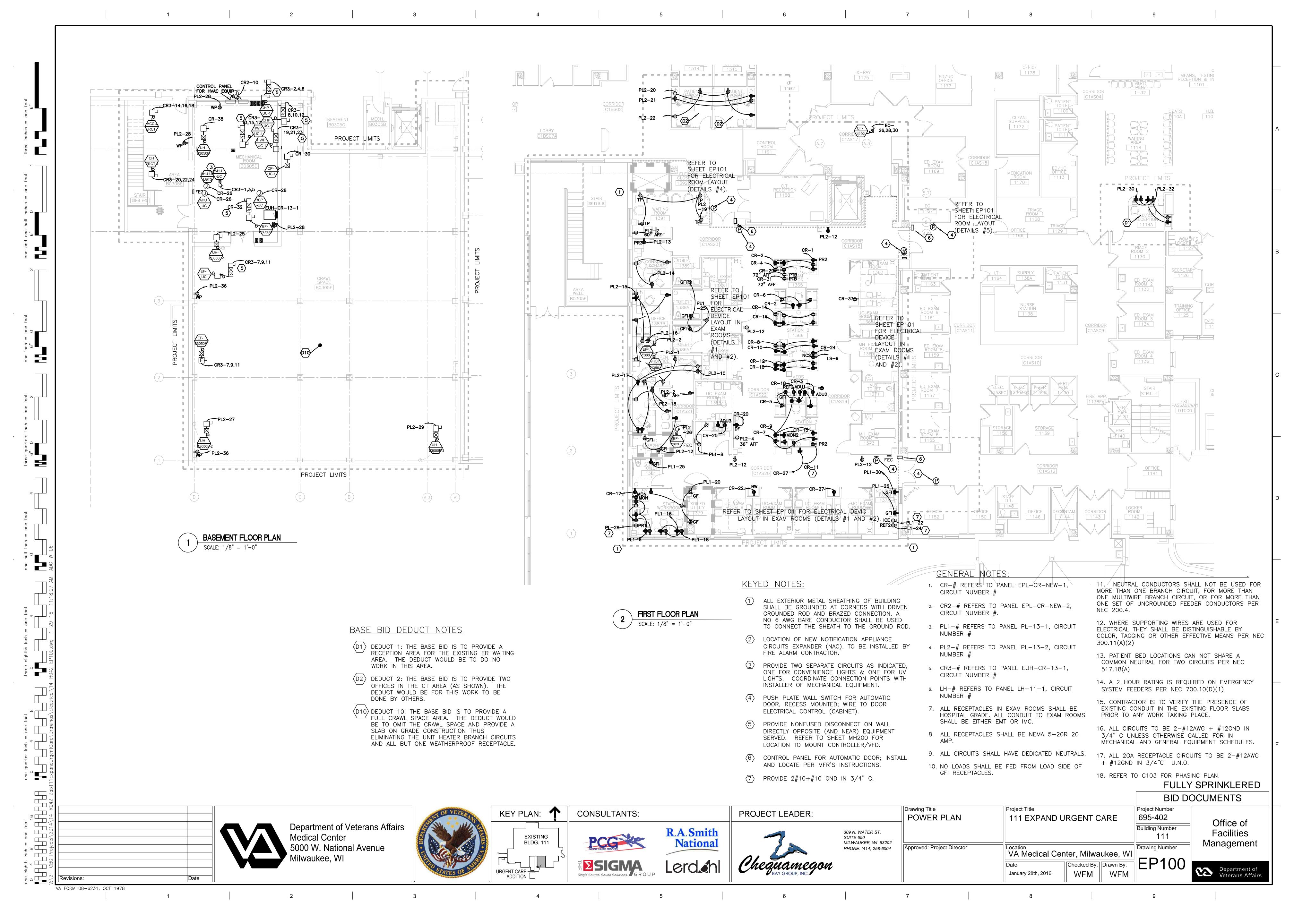
SUITE 650 MILWAUKEE, WI 53202 PHONE: (414) 258-6004

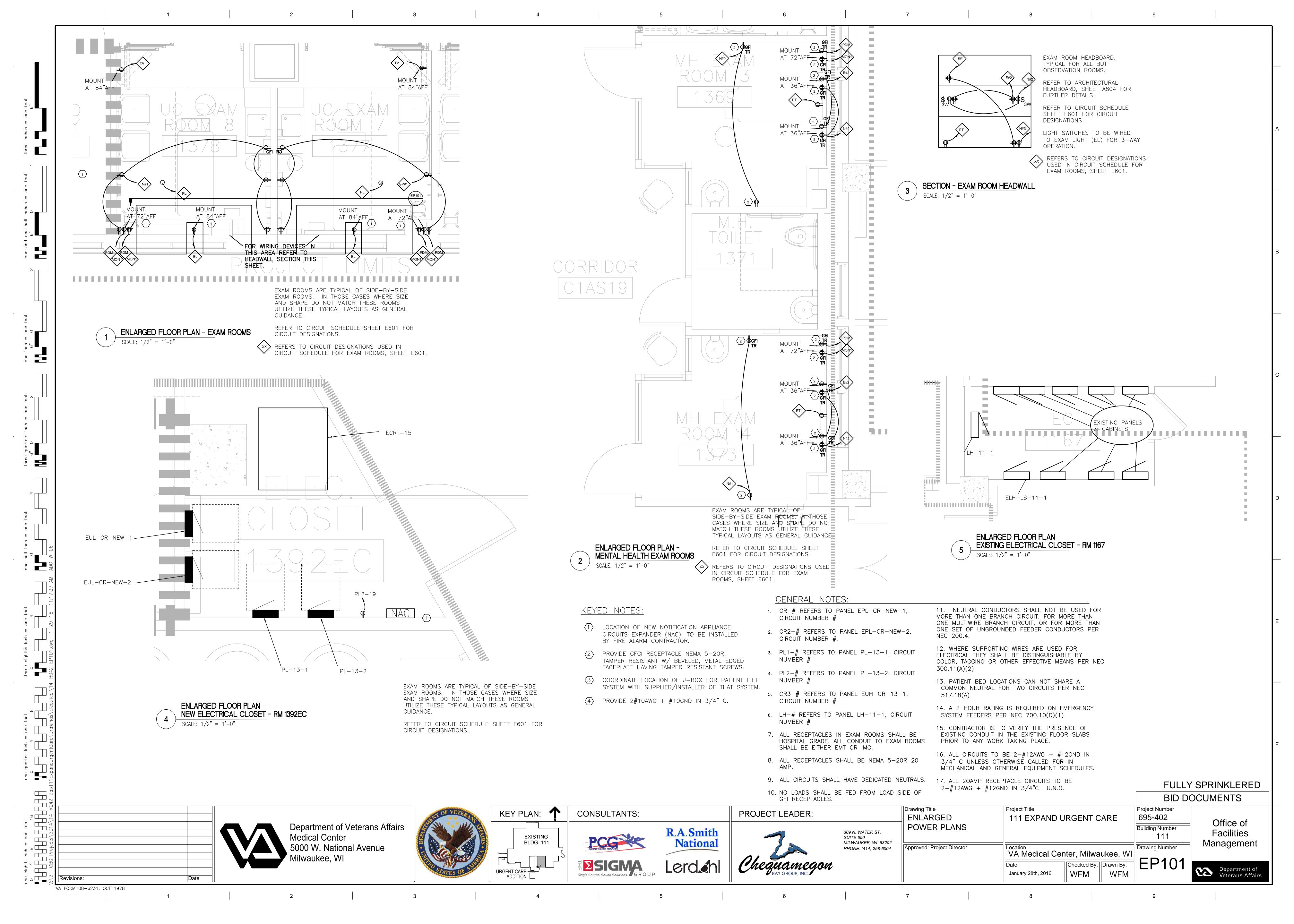
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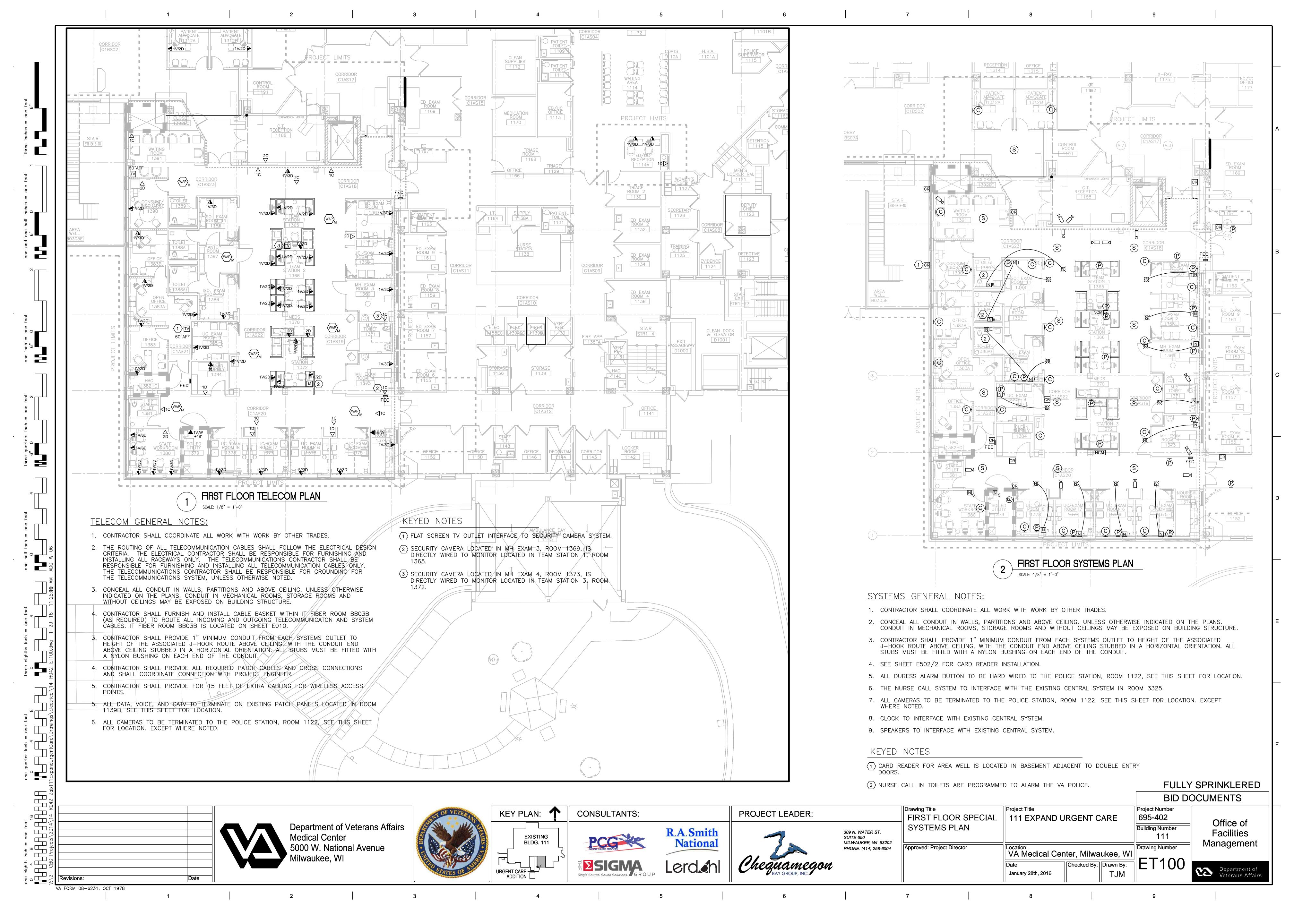
DEMOLITION PLAN 111 EXPAND URGENT CARE Approved: Project Director VA Medical Center, Milwaukee, WI Checked By: Drawn By: WFM WFM January 28th, 2016

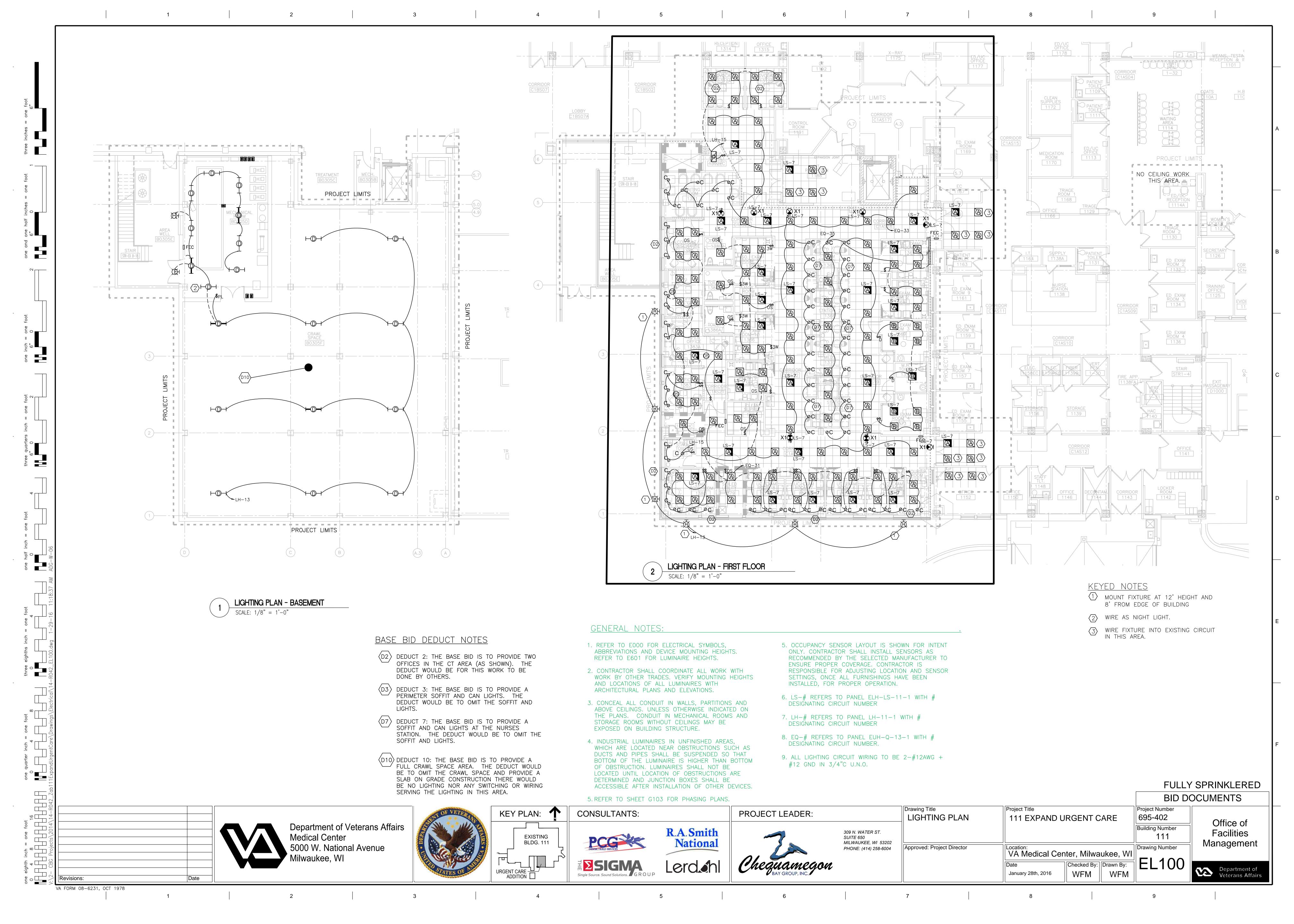
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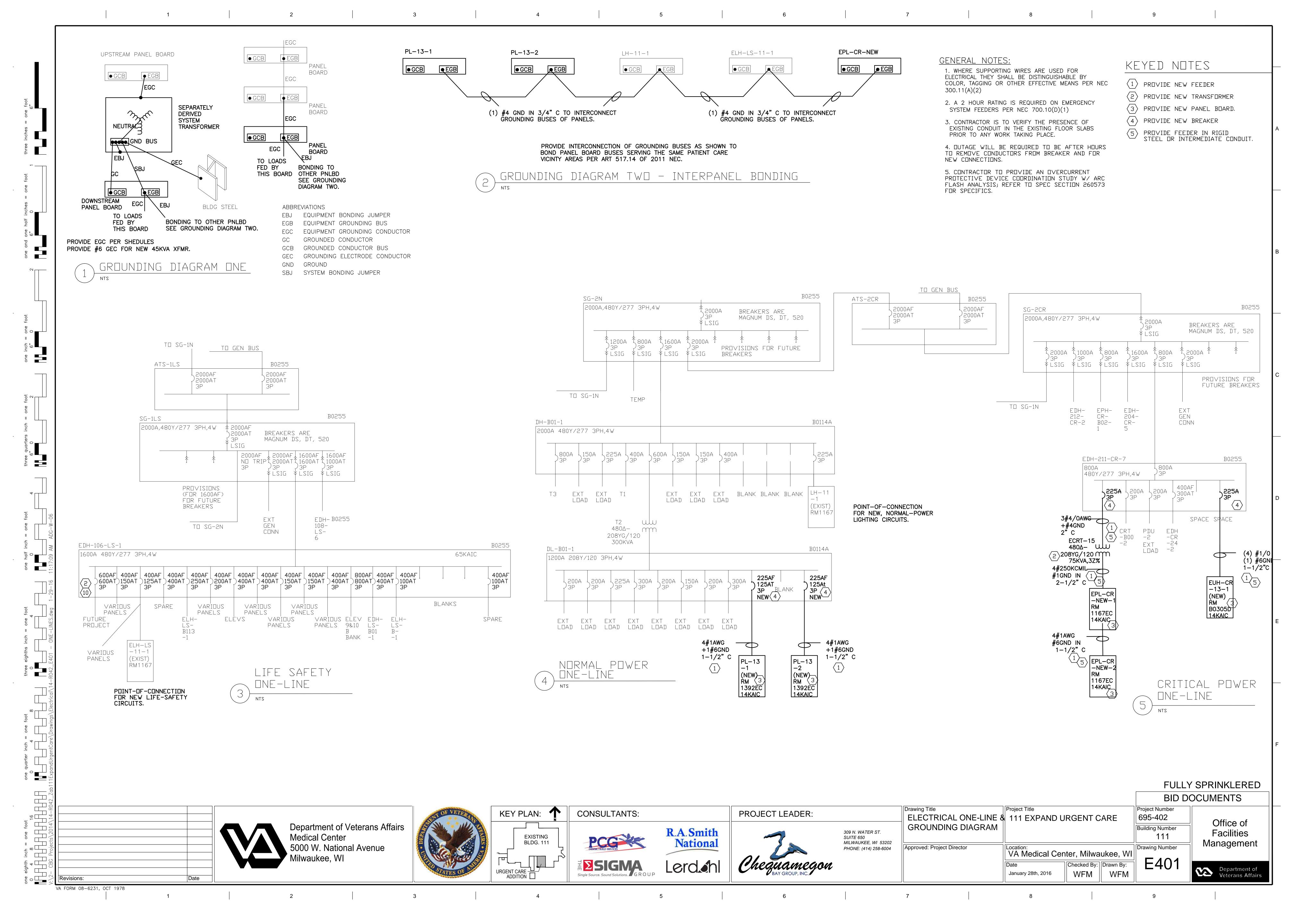
Office of Building Number **Facilities** Management Drawing Number

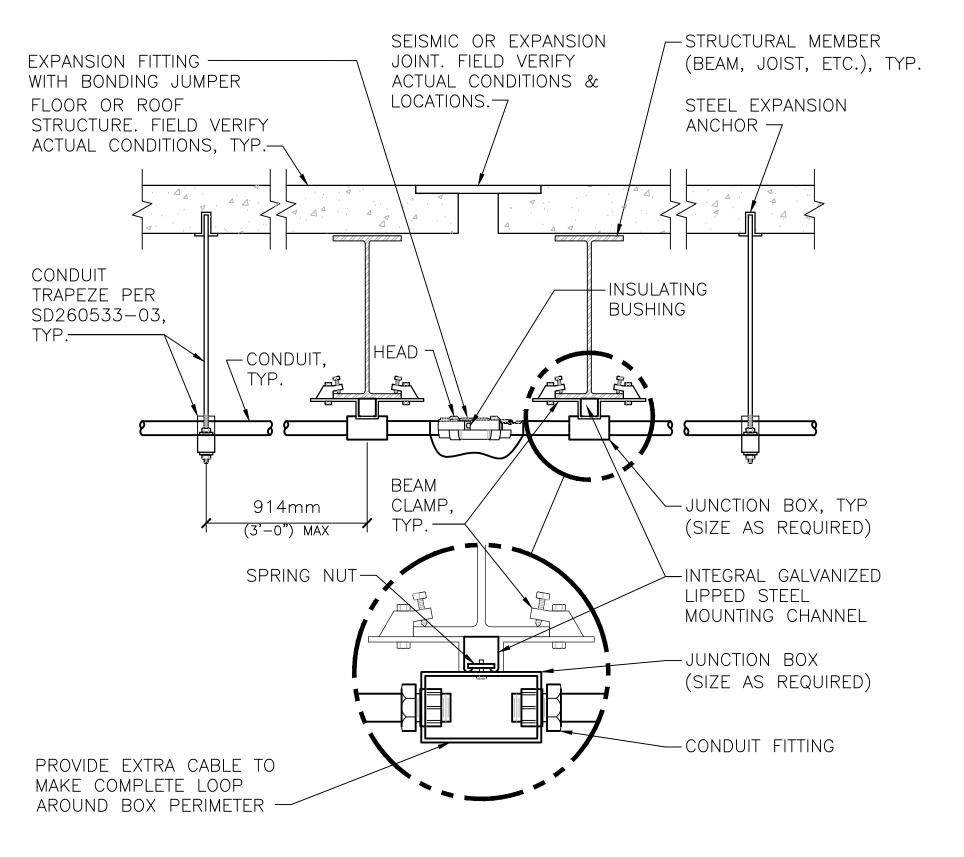












GENERAL NOTES:

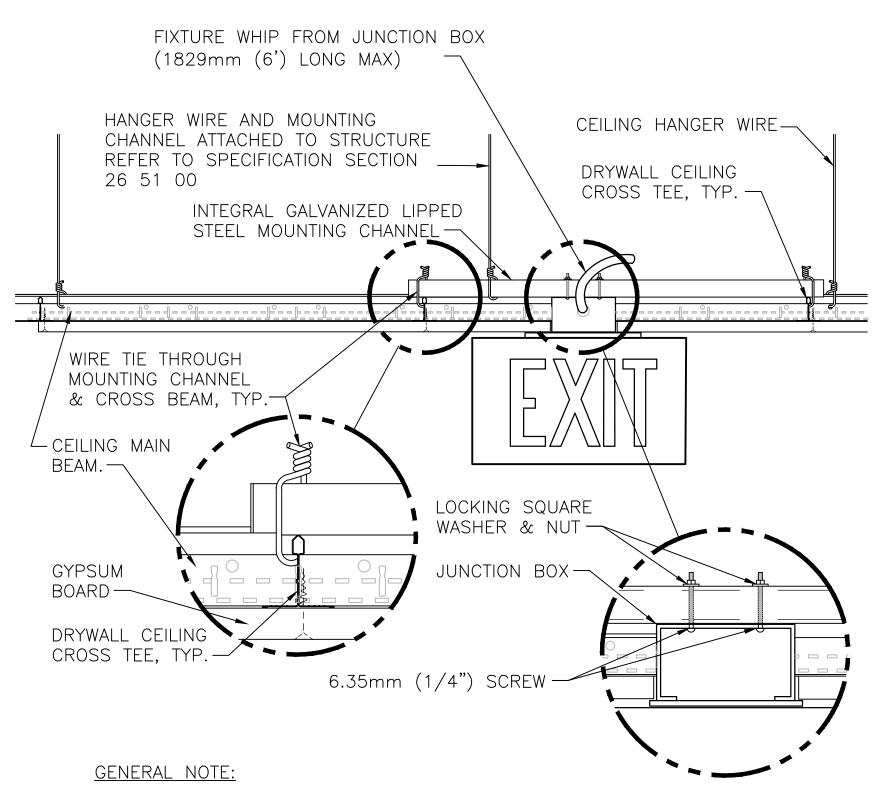
- 1. INSTALLATION IS ACCEPTABLE ALTERNATE TO DETAIL SD260533-01.
- 2. INSTALLATION IS REQUIRED FOR CONDUIT 76mm (3") AND LARGER.



NTS

Revisions:

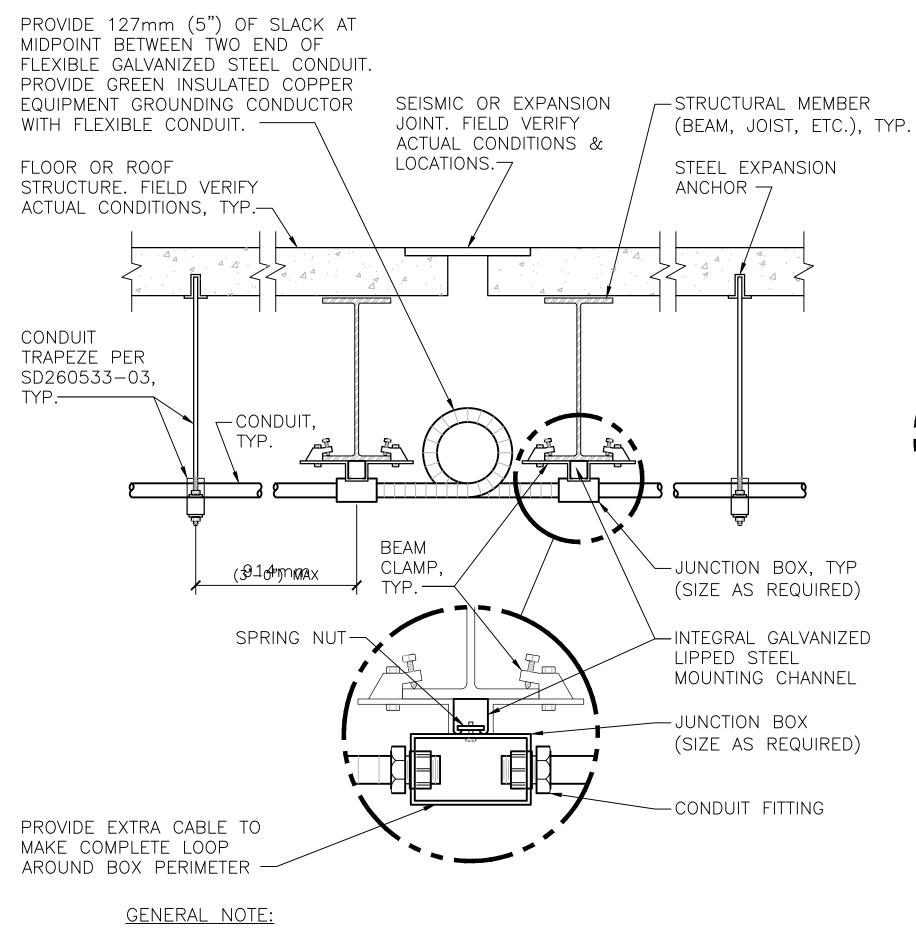
VA FORM 08-6231, OCT 1978



1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

EXIT SIGN MOUNTING - GYPBOARD CEILING

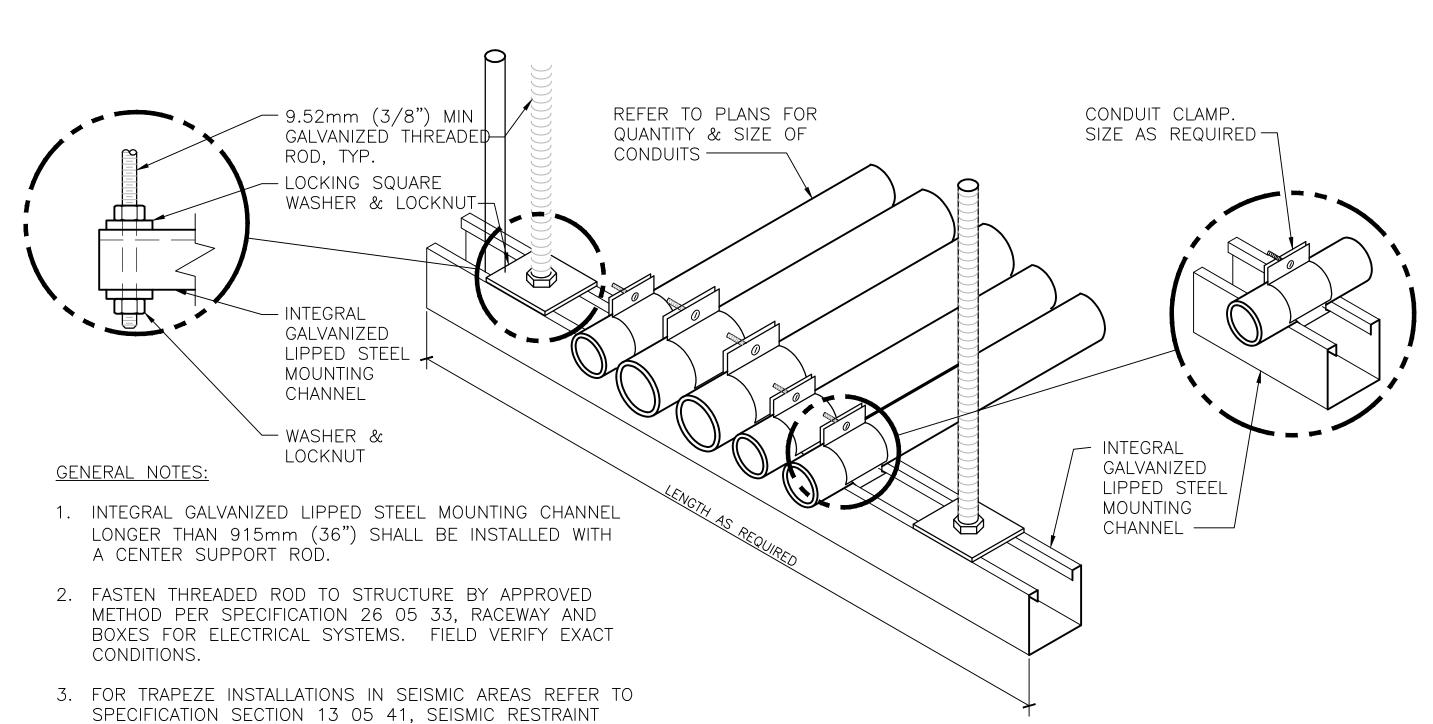
NTS



1. DETAIL IS APPLICABLE ONLY FOR CONDUIT SMALLER THAN 76mm (3").

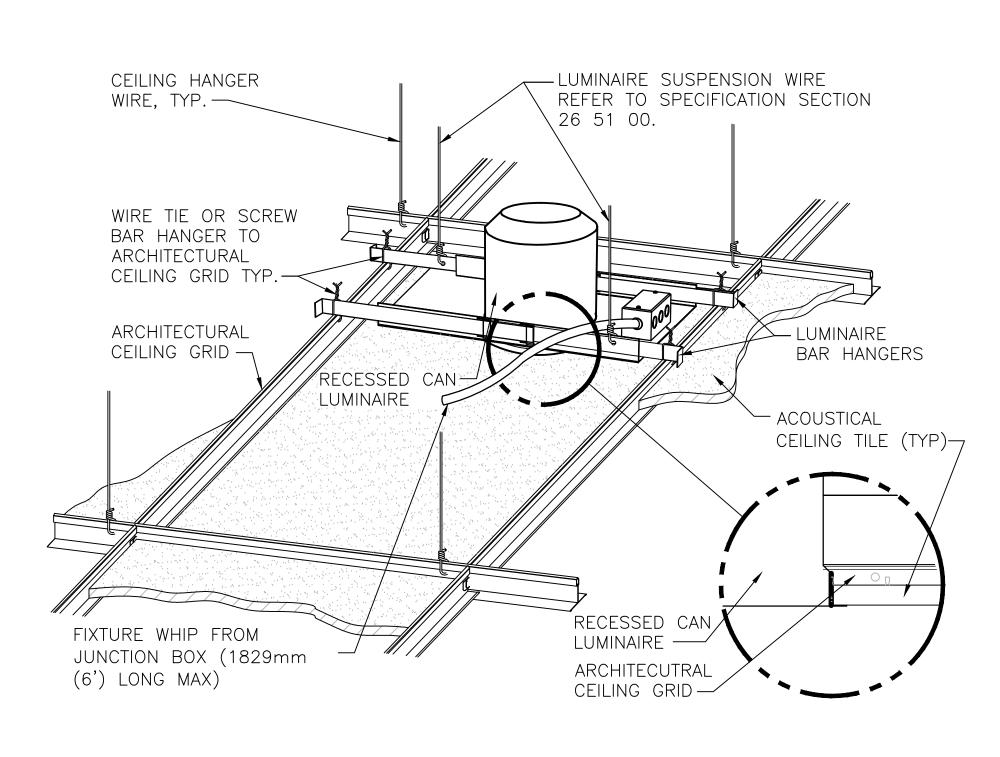
CONDUIT EXPANSION JOINT CROSSING DETAIL-FLEXIBLE CONDUIT

NTS



CONDUIT TRAPEZE MOUNTING DETAIL

NTS

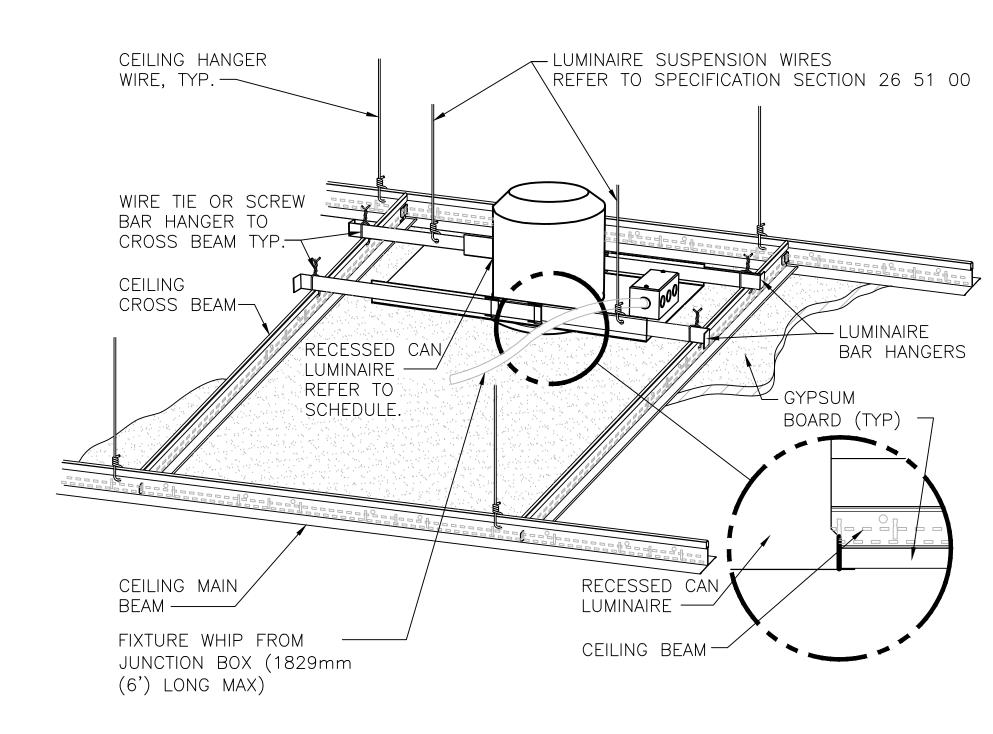


GENERAL NOTE:

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING RECOMMENDED MOUNTING HARDWARE

5 DOWNLIGHT MOUNTING - LAY-IN CEILING

NTS



GENERAL NOTE:

Drawing Title

1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

6 DOWNLIGHT MOUNTING - GYPBOARD CEILING

NTS

Project Title

FULLY SPRINKLERED
BID DOCUMENTS

Project Number

Department of Veterans Affairs Medical Center 5000 W. National Avenue Milwaukee, WI







CONSULTANTS:





PROJECT LEADER:

REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.

	309 N. WATER ST. SUITE 650 MILWAUKEE, WI 53202 PHONE: (414) 258-6004	
ru		

Approved: Project Director

Approved: Project Director

Location: VA Medical Ce

Location:
VA Medical Center, Milwaukee, WI
Date
January 28th, 2016

111 EXPAND URGENT CARE
Building Number
111

Drawing Number

TJM

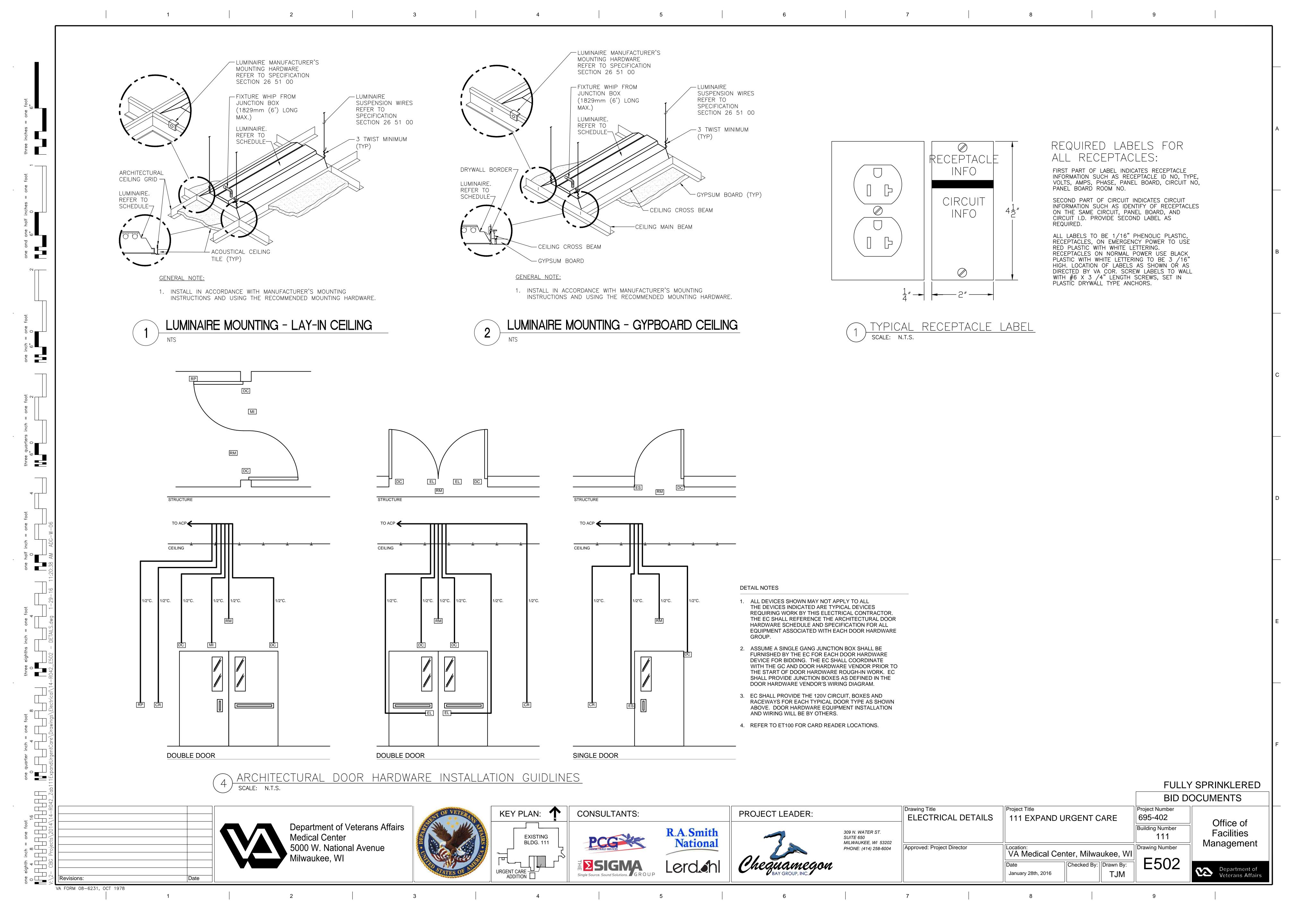
F501

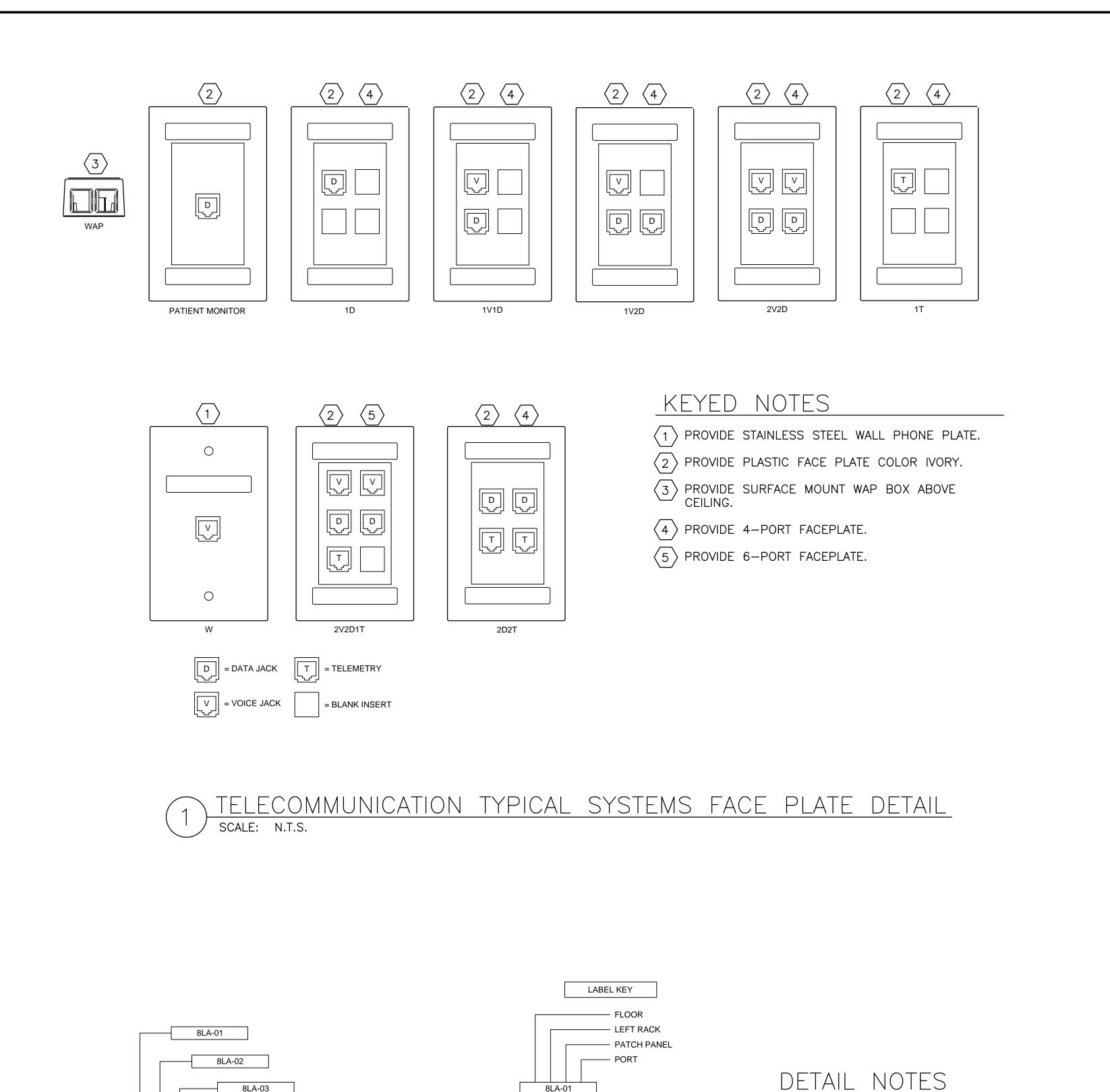
Management

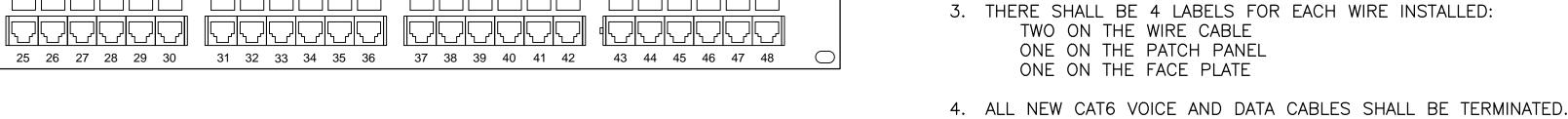
Department of Veterans Affairs

Office of

Facilities



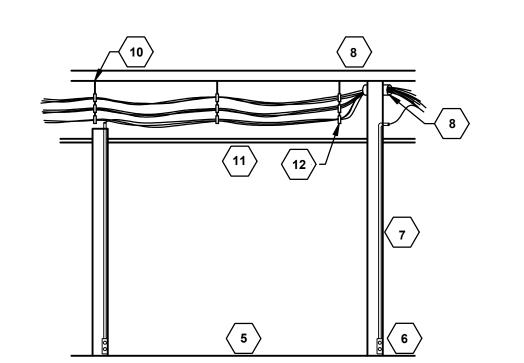


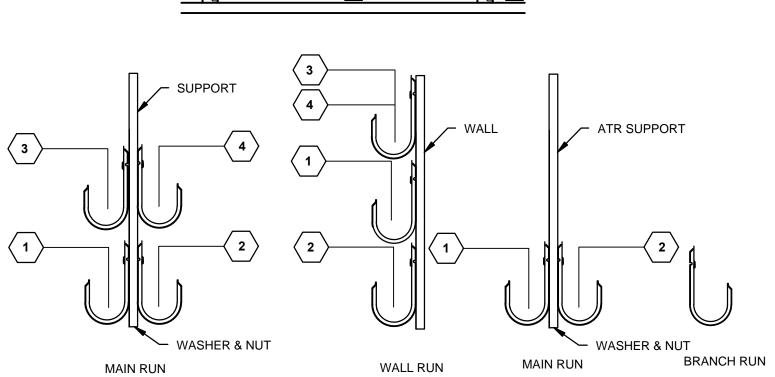


2. EACH LABEL SHALL CONTAIN A MINIMUM OF 6 DIGITS. VERIFY

1. EACH LABEL SHALL BE MECHANICALLY PRODUCED.

SCHEME WITH OWNER.





ALLOWABLE J-HOOK ARRANGEMENTS LVC TO SELECT AS CONSTRUCTION DICTATES

DETAIL NOTES

- 1. J HOOK SHALL BE SIZED FOR CABLE SIZE AND LOAD.
- 2. SPACING BETWEEN J HOOKS 4 FEET ON CENTER.
- 3. INSTALL ADDITIONAL J HOOKS AS REQUIRED.

KEYED NOTES

- $\langle 1 \rangle$ THIS HOOK IS DEDICATED FOR VOICE CABLING.
- $\langle 2 \rangle$ THIS HOOK IS DEDICATED FOR DATA CABLING.
- $\overline{3}$ THIS HOOK IS DEDICATED FOR TV CABLING.
- $\overline{\langle 4 \rangle}$ PAGING, NURSE CALL, AND JEX.
- $\langle 5 \rangle$ CONCRETE FLOOR.
- $\langle 6 \rangle$ work area outlet (typical).
- $\overline{7}$ conduit to above Lay-in ceiling.
- 8 WALL SLEEVE.
- 9 FLOOR ABOVE.
- 10 HANGER SUPPORTED FROM STRUCTURE OF FLOOR ABOVE OR WALL.
- (11) LAY-IN CEILING.
- $\langle 12 \rangle$ J-HOOK (TYPICAL).

TELECOMMUNICATION TYPICAL CABLE SUPPORTS



8LA-01



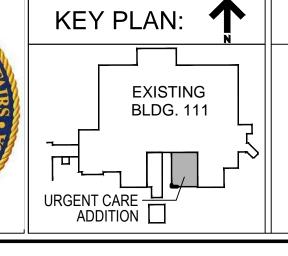
8LA-01

Revisions:

VA FORM 08-6231, OCT 1978

CAT6 CABLE











PROJECT LEADER:

309 N. WATER ST. SUITE 650 MILWAUKEE, WI 53202 PHONE: (414) 258-6004 Drawing Title Project Title TELECOMMUNICATIONS 111 EXPAND URGENT CARE DETAILS Building Number VA Medical Center, Milwaukee, WI Approved: Project Director Checked By: Drawn By: DMW January 28th, 2016

Office of **Facilities** Management

FULLY SPRINKLERED

BID DOCUMENTS

Project Number

Drawing Number

695-402

						VOLT	FE	D FROM			OCPD			BRANCH	WIRING			МОТ	OR CONTRO	OLLER			DISC	ONNECT SW	ITCH		ONNECTION RE	QUIREMENTS	
NO	SERVING	LOC	VOLT/PH	НР	FLA KW		PANEL	СКТ	BRNCH	TYPE	SIZE	POLE	NO	SIZE	GND	COND	FURN BY	INST BY	WIRE BY	LOC	OPTIONS	FURN BY	INST BY	WIRE BY	LOC OF	TIONS NEMA T	PE OPTIONS	MTG HEIGHT	SEE NOTE
AHU-UC	AIR HANDLING UNIT	MECHANICAL ROOM	480/3	15	21	17460	EUH-CR-13-1	1,3,5	EQ	СВ	50	3	3	6	10	1"	MFR	EC	EC	OU	VFD	MC	EC	EC	OU	HW			
EF-UC	EXHAUST FAN	CRAWL SPACE	480/3	2	3.4	2826	EUH-CR-13-1	7,9,11	EQ	СВ	15	3	3	12	12	3/4"	EC	EC	EC	NU	VFD	MC	EC	EC	NU	HW			
EF-B3050D	EXHAUST FAN	MECH ROOM	120/1	1/3	7.2	864	EPL-CR-NEW	32	CR	СВ	15	3	3	12	12	3/4"	EC	EC	EC	NU	VFD	MC	EC	EC	NU	HW			
EF-B3050F	EXHAUST FAN	CRAWL SPACE	480/3	3/4	1.6	1329	EUH-CR-13-1	7,9,11	EQ	СВ	15	3	3	12	12	3/4"	MC	EC	EC	NU	MAG	MC	EC	EC	NU	HW			
EF-1192	EXHAUST FAN	1188 RECEPTION	480/3	3/4	1.6	1329	EUH-CR-13-1	26,28,30	EQ	СВ	20	1	2	12	12	3/4"	MC	EC	EC	NU	MAG	MC	EC	EC	NU	HW			
EF-1382HC	EXHAUST FAN	1382HC	120/1	1/4	5.8	696	PL-13-2	26	N	СВ	15	1	2	12	12	3/4"	MC	EC	EC	NU	MAG	MC	EC	EC	NU	HW			3
EF-1386	EXHAUST FAN	1383 OPEN OFFICE	120/1	1/3	7.2	864	PL-13-2	1	N	СВ	15	3	3	12	12	3/4"	MC	EC	EC	NU	MAG	MC	EC	EC	NU	HW			3
EF-1388	EXHAUST FAN	1383 OPEN OFFICE	120/1	1/3	7.2	864	PL-13-2	2	N	СВ	15	3	3	12	12	3/4"	MC	EC	EC	ΟU	MAG	MC	EC	EC	ΟU	HW			3
HWP-UC-1	HOT WATER PUMP	MECHANICAL ROOM	480/3	3	4.8	3990	EUH-CR-13-1	13,15,17	EQ	СВ	15	3	3	12	12	3/4"	EC	EC	EC	NU	VFD	MC	EC	EC	NU	HW			
HWP-UC-2	HOT WATER PUMP	MECHANICAL ROOM	480/3	3	4.8	3990	EUH-CR-13-1	19,21,23	EQ	СВ	15	3	3	12	12	3/4"	EC	EC	EC	NU	VFD	MC	EC	EC	NU	HW			
CHP-UC-1	CHILLED WATER PUMP	MECHANICAL ROOM	480/3	3	4.8	3990	EUH-CR-13-1	2,4,6	EQ	СВ	15	3	3	12	12	3/4"	EC	EC	EC	NU	VFD	MC	EC	EC	NU	HW			
CHP-UC-2	CHILLED WATER PUMP	MECHANICAL ROOM	480/3	3	4.8	3990	EUH-CR-13-1	8,10,12	EQ	СВ	15	3	3	12	12	3/4"	EC	EC	EC	NU	VFD	MC	EC	EC	NU	HW			
UH-B3050F-1	HOT WATER UNIT HEATER	CRAWL SPACE	120/1	1/4	5.8	696	PL-13-2	25	N	СВ	15	1	2	12	12	3/4"	MC	EC	EC	NU	MAG	MC	EC	EC	NU	HW			
UH-B3050F-2	HOT WATER UNIT HEATER	CRAWL SPACE	120/1	1/4	5.8	696	PL-13-2	27	N	СВ	15	1	2	12	12	3/4"	MC	EC	EC	NU	MAG	MC	EC	EC	NU	HW			
UH-B3050F-3	HOT WATER UNIT HEATER	CRAWL SPACE	120/1	1/4	5.8	696	PL-13-2	29	N	СВ	15	1	2	12	12	3/4"	MC	EC	EC	NU	MAG	MC	EC	EC	NU	HW			1,2
UH-B3050D	HOT WATER UNIT HEATER	MECHANICAL ROOM	120/1	1/4	5.8	696	EPL-CR-NEW	38	N	СВ	15	1	2	12	12	3/4"	MC	EC	EC	NU	MAG	MC	EC	EC	NU	HW			1
ACCU-ERCT-1	AIR COOLED CONDENSING UNIT	SEE PLANS	480/3	3	4.8	3990	EUH-CR-13-1	14,16,18	EQ	СВ	20	3	3	12	12	3/4"	MC	EC	EC	OU	MAG	MC	EC	EC	ΟU	HW			
CH-ERCT-1	CHILLER	SEE PLANS	480/3	15	21	12459	EUH-CR-13-1	20,22,24	EQ	СВ	50	3	3	6	10	1"	MC	EC	EC	ΟU	MAG	MC	EC	EC	ΟU	HW			
RCP-UP	RECIRCULATION PUMP	MECHANICAL ROOM	120/1	1/40	0.2	33	EPL-CR-NEW	28	CR	СВ	15	1	2	12	12	3/4"	MC	EC	EC	NU	MAG	MC	EC	EC	NU	HW			
CP-UC-1	CONDENSTATE PUMP	MECHANICAL ROOM	120/1	1/3	7.2	864	EPL-CR-NEW		CR	СВ	15	1	2	12	12	3/4"	MC	EC	EC	NU		MC	EC	EC	NU	HW			

EQUIPMENT SCHEDULE ABBREVIATIONS:

CB: CIRCUIT BREAKER

CKT: CIRCUIT COND: CONDUIT

CR: CRITICAL BRANCH EC: ELECTRICAL CONTRACTOR

EQ: EQUIPMENT BRANCH FURN: FURNISHED

GND: GROUND HP: HORSE POWER

INST: INSTALLED KW: KILOWATT LOC: LOCATION

MAG: MAGNETIC MC: MECHANICAL CONTRACTOR

MTG: MOUNTING N: NORMAL BRANCH

NO: NUMBER NU: NEAR UNIT

OCPD: OVER CURRENT PROTECTIVE DEVICE

OU: ON UNIT

PH: PHASES

NOTES: 1. UNIT IS EXISTING TO BE RELOCATED.

2. 15A MCA, 20A MCOP 3. PROVIDED W/ SPEED CONTROL BY MFR/MC TO BE WIRED BY EC.

	FIXTURE			LAMPS				BALLAS	TS	INPUT					SUB	
TYPE	DESCRIPTION	TYPE	NO	DESCRIPTION	WATTS	К	CRI	TYPE	NO	WATTS	VOLT	MOUNT	MANUFACTURER & SERIES	OPTIONS	ALLOWED	SEE NOT
Α	2X2 RECESSED INDIRECT CENTER BASKET 2-LAMP	F	2	17WT8	17	3500	82	ET	1	32	277	R	COOPER LIGHTING 2RDI SERIES		N	
В	2X2 RECESSED LENSED TROFFER, VANDAL RESISTANT	F	2	17WT8	17	3500	82	ET	1	32	277	R				1,2
С	6 INCH DOWNLIGHT	F	1	26W DTT	26	3500	82	ET	1	30	277	R	GOTHAM AFLP SERIES	SEMI-SPECULAR CLEAR FINISH	N	
D	INDUSTRIAL STRIP FIXTURE	F	2	F32T8	32	3500	82	ET	1	61	277	SU	LITHONIA EJS		Y	
E	EXTERIOR WALL PACK	F	1	26W DTT	26	3500	82	ET	1	30	277	W			Y	3
F	WINDOW LIGHT BOX	LED			110			ET	1	110	277	R			Y	
G	LENSED TROFFER	F	2	F32T8	32	3500	82	ET	1	61	277	SU				
Н	EXTERIOR WALL PACK	HPS	1	HPS	35			EMG	1		277	W				3

LIGHTING SCHEDULE NOTES:

1. PROVIDE TAMPER RESISTANT FRAME; BREAK-RESISTANT LENSE SECURELY

FASTENED TO FRAME; VANDAL-RESISTANT, INACCESSIBLE FASTENERS.

2. FIXTURE TO BE ANTI-LIGATURE. 3. PROVIDE WITH INTEGRAL PHOTOCELL. LIGHTING FIXTURE ABBREVIATIONS: ET: ELECTRONIC

EMG: ELECTROMAGNETIC F: FLOURESCENT

HPS: HIGH PRESSURE SODIUM LED: LIGHT EMITTING DIODE

N: NO R: RECESSED SU: SUSPENDED

W: WALL

Y: YES

1 2 5 9

G	ENERAL EQUIPMENT	SCHEDULE	=							
									FED FROM	
NO	SERVING	LOC	VOLT/PH	HP	FLA	AMPS	WATTS	PANEL	СКТ	BRNCH
PR1,2,3	PRINTER	SEE DWGS	120/1				1200	SEE	DWGS	
ICE	ICE MACHINE	SEE DWGS	120/1				1200	SEE	DWGS	
REF1/2	UNDERCABINET REFRIGERATOR	SEE DWGS	120/1				1200	SEE	DWGS	
PTB	PATIENT TRACKING BOARD	NURSES' STATIONS	120/1				36	SEE	DWGS	
PDM	PATIENT DATA MODULE	UC EXAM ROOMS	120/1				36	SEE	DWGS	
MON1	MONITOR/GE HEALTHCARE CARESPACES B650	UC EXAM ROOMS	120/1				36	SEE	DWGS	
MON2	MONITOR /GE HEALTHCARE MP100, CIC PRO	TEAM STATION					36	SEE	DWGS	
ADU1,2,3	PYXIS MEDSTATION 4000	SEE DWGS	120/1				120	SEE	DWGS	
ET	EXAMINATION TABLE	UC EXAM ROOM	120/1			8	10200	SEE	DWGS	
EL	EXAM LIGHT	UC EXAM ROOM	120/1				120	SEE	DWGS	
PL	PATIENT LIFT - GULDMANN	UC EXAM ROOM	120/1			8	10200	SEE	DWGS	
BW	BLANKET WARMER	C1AAS20	120/1				960	SEE	DWGS	
DF	DEFIBRILLATOR	C1AS22	120/1				120	SEE	DWGS	

				CII	RCUIT	SCH	EDUL	E FOI	R EXAI	M R	MOC	S INC	LUD	ING F	lEAD'	WALL	. (REF	ER TO) SHE	ET EI	P101)													
JIT DESIGNATION								N	ORMAL F	POWE	R BRAN	CH CIRC	UITS																EMER	GENCY	POWEF	R BRANC	H CIRC	CUITS	
I ENLARGED PLAN ADWALL ELEVATION		PDM/M	ON1		PL				EL			N#1			ET				TV		N#2	(HEADW	ALL)		N#3		PD	M/MON	J1		E#1		E#2 ((HEADW	ALL)
EXAM	F	ED FROI	M	F	ED FRO	М		F	ED FRON	/	F	ED FROM	M	F	ED FRO	М		F	ED FROI	М	F	ED FRON	√ I	F	ED FROM	VI	F	ED FROM	M	F	ED FRO	М	F	ED FRON	VI
ROOM #	PNL	CKT	BRCH	PNL	СКТ	BRCH	NOTES	PNL	CKT	BRCH	PNL	CKT	BRCH	I PNL	CKT	BRCH	NOTES	PNL	CKT	BRCH	PNL	СКТ	BRCH	PNL	СКТ	BRCH	PNL	СКТ	BRCH	PNL	СКТ	BRCH	PNL	СКТ	BRCH
11	PL1	#3	N	PL2	#31	N		PL1	#29	N	PL1	#27	N	PL1	#33	N		PL2	#6	N	PL1	#14	N	PL2	#7	N	CR	#17	CR	CR2	#1	CR	CR	#19	CR
10	PL1	#3	N	PL2	#33	N		PL1	#29	N	PL1	#23	N	PL1	#35	N		PL2	#6	N	PL1	#14	N	PL2	#7	N	CR	#17	CR	CR2	#3	CR	CR	#21	CR
9	PL1	#3	N	PL2	#35	N		PL1	#29	N	PL1	#21	N	PL1	#37	N		PL2	#6	N	PL1	#14	N	PL2	#7	N	CR	#17	CR	CR2	#5	CR	CR	#23	CR
8	PL1	#1	N	PL2	#37	N		PL1	#27	N	PL1	#19	N	PL1	#39	N		PL2	#8	N	PL1	#12	N	PL2	#5	N	CR	#17	CR	CR2	#7	CR	CR	#35	CR
7	PL1	#1	N	PL2	#39	N	1	PL1	#27	N	PL1	#17	N	PL1	#41	N	1	PL2	#8	N	PL1	#12	N	PL2	#5	N	CR	#17	CR	CR2	#9	CR	CR	#37	CR
6	PL1	#1	N	PL2	#41	N	1	PL1	#27	N	PL1	#15	N	PL1	#32	N	1	PL2	#8	N	PL1	#10	N	PL2	#5	N	CR	#17	CR	CR2	#2	CR	CR	#39	CR
5	PL1	#1	N	PL2	#38	N	1	PL1	#27	N	PL1	#13	N	PL1	#34	N	1	PL2	#8	N	PL1	#10	N	PL2	#5	N	CR	#17	CR	CR2	#4	CR	CR	#41	CR
4	PL1	#1	N	N/A				N/A			PL1	#11	N	PL1	#36	N	1	N/A			PL1	#4	N	N/A			CR	#17	CR	N/A			CR	#34	CR
3	PL1	#1	N	N/A				N/A			PL1	#9	N	PL1	#38	N		N/A			PL1	#4	N	N/A			CR	#17	CR	N/A			CR	#36	CR
2	PL1	#3	N	PL2	#40	N		PL1	#29	N	PL1	#7	N	PL1	#40	N		PL2	#6	N	PL1	#2	N	PL2	#5	N	CR	#17	CR	CR2	#6	CR	CR	#40	CR
1	PL1	#3	N	PL2	#42	N		PL1	#29	N	PL1	#5	N	PL1	#42	N		PL2	#6	N	PL1	#2	N	PL2	#5	N	CR	#17	CR	CR2	#8	CR	CR	#42	CR
																																	<u> </u>		
				_	NOTES:	_																							<u></u>				<u> </u> '		
					1. PR	OVIDE :	2#10 + #	10 GND	IN 3/4"	C.																									
																												1							

GENERAL NOTES:

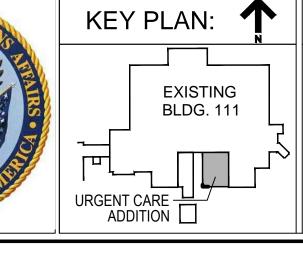
NUMBER #

- 1. CR-# REFERS TO PANEL EPL-CR-NEW-1, CIRCUIT NUMBER #
- 2. CR2-# REFERS TO PANEL EPL-CR-NEW-2, CIRCUIT NUMBER #.
- 3. PL1-# REFERS TO PANEL PL-13-1, CIRCUIT NUMBER #
- 4. PL2-# REFERS TO PANEL PL-13-2, CIRCUIT
- 5. CR3-# REFERS TO PANEL EUH-CR-13-1, CIRCUIT NUMBER #
- 6. LH-# REFERS TO PANEL LH-11-1, CIRCUIT
- NUMBER #

7. ALL CIRCUITS SHALL HAVE DEDICATED NEUTRALS.

Department of Veterans Affairs Medical Center 5000 W. National Avenue Milwaukee, WI











PROJECT LEADER:

Drawing Title

ELECTRICAL Project Title Project Number 111 EXPAND URGENT CARE 695-402 SCHEDULES Building Number Approved: Project Director VA Medical Center, Milwaukee, WI Drawing Number Checked By: Drawn By: WFM WFM January 28th, 2016

Office of **Facilities** Management

FULLY SPRINKLERED

BID DOCUMENTS

Date

Revisions: VA FORM 08-6231, OCT 1978

PANEL BOARD SCHEDULE-EXISTING ELH-LS-11-1 AIC RATING: 14K LOCATION: B1167 GRD SIZE: MFGR: CUTLER HAMMER VOLTAGE: 277/480 3PH4W MOUNTING: SURFACE CAT. NO. SOURCE: EDH-106-LS-1 MAIN BRKR: 125A
 CT.
 VOLT AMPS
 BKR/
 BKR/
 VOLT AMPS
 CT.

 #
 A
 B
 C
 POLE
 POLE
 A
 B
 C
 #
 EMER LTG & EX SIGNS: URG CAR 7 978

NURSE CALL URGENT CARE 9 40 Total A Phase 1.0 kVA GENERAL NOTES: Total B Phase 0.0 kVA NEW LOADS ARE INDICATED IN BOLD PRINT Total C Phase 0.0 kVA TOTAL NEW LOAD IS 1.02KVA Connected 1.0 kVA = 1.2 A Demand 1.0 kVA = 1.203 A

PANEL BOARD SCHEDULE	-									EXISTING LH-11-1
LOCATION: 1167-EC VOLTAGE: 277/480 3PH4W SOURCE: DH-B01-1 MAIN BRKR: 100A			(SRD SI		URFACE			MFG	RATING:14K GR: CUTLER HAMMER . NO.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CT.	V	OLT AN		BKR/	BKR/	VOL	TAMP	S	CT.
	#	Α	В	С	POLE	POLE	Α	В	С	#
XISTING	1				20/1	20/1				2 EXISTING
XISTING	3				20/1	20/1				4 EXISTING
XISTING	5				20/1	20/1				6 EXISTING
XISTING	7				20/1	20/1				8 EXISTING
XISTING	9				20/1	20/1				10 EXISTING
XISTING	11				20/1	20/1				12 EXISTING
IGHTING: BASEMENT, CRAWLSPACE, EXTERIOR		1800			20/1	20/1				14 SPARE
IGHTING UC OFFICE AREAS	15		3020		20/1	20/1				16 EXISTING
PACE	17			0					305	18
PACE	19	0				15/3	305			20
PACE	21		0					305		22
PACE	23								305	24
PACE	25					15/3	305			26
PACE	27							305		28
PACE	29									30 SPACE
									GENER	AL NOTES:
Total A Phase	2	2.4	kVA							OADS ARE INDICATED IN BOLD PRINT
Total B Phase	3	3.6	kVA							
Total C Phase			kVA						MOTOF	R LOAD IS 1.83KVA, 25% OF LARGEST MOTOR IS 0.08KVA.
										NG LOAD IS 4.82KVA.
Connected	6	5.7	kVA	=	8.0	Α				DEMAND LOAD IS THEN 6.73KVA.
Demand	6	3.7	kVA	=	8.1	Α		ONLY	NEW L	OADS ARE REFLECTED IN THE CONNECTED AND DEMAND LOA

PANEL BOARD SCHEDULE	Ξ-								NE	EW EPL-CR-NEW-1
LOCATION:1167-EC VOLTAGE: 120/208 3PH4W SOURCE: EDH-211-CR-7 via XFMR MAIN BRKR: 250A			GR	EDER SIZI D SIZE: DUNTING		CE			AICF MFG CAT.	
	CT.	VOL	TAMPS		BKR/	BKR/	VOL	TAMPS		СТ.
	#	Α	В	С	POLE	POLE	Α	В	С	#
EPL-CR-NEW-2	1 3 5	3060	3240	2640	100/1	20/1	1080	720	700	2 RECP: TEAM STATION 1 4 RECP: TEAM STATION 1 (COMPUTERS)
RECP: (COMPUTERS) MEDS AND TEAM STATION 3	7	540		2640	20/1	20/1	1080		720	6 RECP: TEAM STATION 1 (COMPUTERS) 8 RECP: TEAM STATION 2
RECP: (COMPUTERS) MEDS AND TEAM STATION 3	9	540	1080		20/1	20/1	1000	1080		10 RECP: TEAM STATION 2 (COMPUTERS)
PRINTER: TEAM STATION #3	11		1000	1200	20/1	20/1		1000	1080	12 RECP: TEAM STATION 2
MON2/PTB TEAM STATION #3	13	40		1200	20/1	20/1	540		1000	14 RECP: TEAM STATION 2 (COMPUTERS)
SPARE	15	40			20/1	20/1	540	1080		16 RECP: TEAM STATION 2
MON/PDM: RM 1380, EX RM 1,2,3,4,5,6,7,8,9,10,11	17			440	20/1	20/1		1000	1200	18 REF 2
RECP (HEADWALL) EX RM 11	19	720			20/1	20/1	120			20 DF
RECP (HEADWALL) EX RM 10	21		720		20/1	20/1		900		22 BW
RECP (HEADWALL) EX RM 9	23			720	20/1	20/1			40	24 NCS TEAM STATION 2
ADU: RM 1384	25	40			20/1	15/1	1056			26 AHU-UC LIGHTS; AHU-UC UV FILTERS
COMPUTER ON WHEELS, C1AS20	27		540		20/1	15/1		33		28 RCP-UC
MON2/PTB TEAM STATION #1	29			40	20/1	15/1			864	30 CP-UC-1
MON2/PTB TEAM STATION #1	31	40			20/1	15/1	864			32 EF-B3050F
RECP CORRIDOR C1AS19	33		180		20/1	20/1		720		34 RECP (HEADWALL) EX RM 4
RECP (HEADWALL) EX RM 8	35			720	20/1	20/1			720	36 RECP (HEADWALL) EX RM 3
RECP (HEADWALL) EX RM 7	37	720			20/1	15/1	696			38 UH-B3050D
RECP (HEADWALL) EX RM 6	39		720		20/1	20/1		720		40 RECP (HEADWALL) EX RM 2
RECP (HEADWALL) EX RM 5	41			720	20/1	20/1			720	42 RECP (HEADWALL) EX RM 1
Total A Phase		10.6	kVA							
Total B Phase		11.7	kVA							OAD = 20030VA; 1ST 10k AT 100%, REMAINING 10030 A
Total C Phase		11.8	kVA							EMAND LOAD IS THEN 15015VA; OTHER LOAD IS 11510
										LOAD IS 2.457KVA, 25% OF LARGEST MOTOR IS 0.23K
Connected		34.2	kVA	=	94.8				TOTAL	DEMAND LOAD IS 29.23KVA
Demand		29.2	kVA	=	81.13	A				

PANEL BOARD S	SC	HED	DULE					NE	W E	PL	CR-NEW-2
LOCATION:1167-EC VOLTAGE: 120/208 3PH4W SOURCE: EPL-CR-NEW-1 MAIN BRKR: 100A			GR	D SIZE: #	ZE:#AWG #AWG G: SURFA				AICR MFGI CAT.	₹:	IG: 14KAIC
	CT.	VOL A	T AMPS B	С	BKR/ POLE	BKR/ POLE		T AMPS B	С	CT.	
RECP: E#1 EX RM 11	1	720			20/1	20/1	720			2	RECP: E#1 EX RM 6
RECP: E#1 EX RM 10	3		720		20/1	20/1		720		4	RECP: E#1 EX RM 5
RECP: E#1 EX RM 9	5			720	20/1	20/1			720	6	RECP: E#1 EX RM 2
RECP: E#1 EX RM 8	7	720			20/1	20/1	720			8	RECP: E#1 EX RM 1
RECP: E#1 EX RM 7	9		720		20/1	20/1				10	HVAC CONTROL PANELS
PRINTER TEAM STATION #1	11			1200	20/1	20/1				12	SPARE
ADU MEDS AREA	13	80			20/1	20/1				14	SPARE
RECP: MEDS & TEAM STA #3	15		1080		20/1	20/1				16	SPARE
SPARE	17				20/1	20/1				18	SPARE
SPARE	19				20/1	20/1				20	SPARE
SPARE	21				20/1	20/1				8	SPARE
SPARE	23				20/1	20/1				24	SPARE
SPARE	25				20/1	15/1				26	SPARE
SPARE	27				20/1	15/1				8	SPARE
SPARE	29				20/1	15/1					SPARE
SPARE	31				20/1	15/1				88	SPARE
SPARE	33				20/1	20/1					SPARE
SPARE	35				20/1	20/1				-	SPARE
SPARE	37				20/1	15/1				8	SPARE
SPARE	39				20/1	20/1				8	SPARE
SPARE	41				20/1	20/1				42	SPARE
Total A Phase		3.0	kVA								
Total B Phase		3.2	kVA								k AT 100%, REMAINING 0 AT 509
Total C Phase		2.6	kVA				RECP D	EMAND L	OAD IS	THEN	N 6480VA; OTHER LOAD IS 2360
Connected		8.8	kVA	=	24.5	A	TOTAL D	EMAND	LOAD IS	6480	DVA
Demand		8.8	kVA	1=1	24.54	A					

PANEL BOARD SCHEI	Dι	JLE-								N	IEW PL-13-1
LOCATION:1392EC VOLTAGE: 120/208 3PH4W SOURCE: DL-B01-1 MAIN BRKR: 125A			GR	EDER SIZ D SIZE:# DUNTING	AWG	CE			AIC R MFGF CAT.	₹:	IG: 14KAIC
	CT.	VOL A	T AMPS	С	BKR/ POLE	BKR/ POLE	VOL A	TAMPS	С	CT.	
MON,PDM EXRM 3,4,5,6,7,8	1	240	_		20/1	20/1	720				RECP: (HEADWALL) EX RM 1,2
MON,PDM EXRM 1,2,9,10,11	3		200		20/1	20/1		720		88	RECP: (HEADWALL) EX RM 3,4
RECP: EXRM 1	5			1080	20/1	20/1			1080	88	RECP: 1380
RECP: EXRM 2	7	1080			20/1	20/1	360			8	RECP: 1384
RECP: EXRM 3	9		360		20/1	20/1		720		10	RECP: (HEADWALL) EX RM 5,6
RECP: EXRM 4	11			360	20/1	20/1			720	12	RECP: (HEADWALL) EX RM 7,8
RECP: EXRM 5	13	1080			20/1	20/1	1080			14	RECP: (HEADWALL) EX RM 9,10,11
RECP: EXRM 6	15		1080		20/1	20/1		720		16	RECP 1380
RECP: EXRM 7	17			1080	20/1	20/1			900	18	RECP (COMPUTER) 1380
RECP: EXRM 8	19	1080			20/1	20/1	720			88	RECP RM 1379, 1380
RECP: EXRM 9	21		1080		20/1	20/1		1200		8	1374 ICE MAKER
RECP: EXRM 10	23			1080	20/1	20/1			1200		1374 REFRIGERATOR
RECP 1381, 1386A,1387,1388,1389	25	720			20/1	20/1	1500				SM APPL CKT RECP 1374
RECP: EXRM 11	27		1080		20/1	20/1		1200		8	PRINTER RM 1380
RECP: EL EX RM 11,10,9,2,1	29			900	20/1	20/1			1500		SM APPL CKT RECP 1374
RECP: EL EX RM 8,7,6,5	31	720			20/1	20/1	960			9	RECP: ET (EXAM. TABLE) EX RM 6
RECP: ET (EXAM. TABLE) EX RM 11	33		960		20/1	20/1		960			RECP: ET (EXAM. TABLE) EX RM 5
RECP: ET (EXAM. TABLE) EX RM 10	35			960	20/1	20/1			960		RECP: ET (EXAM. TABLE) EX RM 4
RECP: ET (EXAM. TABLE) EX RM 9	37	960			20/1	20/1	960			88	RECP: ET (EXAM. TABLE) EX RM 3
RECP: ET (EXAM. TABLE) EX RM 8	39		960		20/1	20/1		960		100	RECP: ET (EXAM. TABLE) EX RM 2
RECP: ET (EXAM. TABLE) EX RM 7	41			960	20/1	20/1			960	42	RECP: ET (EXAM. TABLE) EX RM 1
Total A Phase		12.2	kVA								
Total B Phase		12.2	kVA								
Total C Phase		13.7	kVA								
, star o r nasc							RECP I	OAD = 20	520VA · 1	ST 1	Ok AT 100%, REMAINING 10520 AT 50%.
Connected		38.1	kVA	=	106				,		N 15260VA; OTHER 7040VA; MOTOR 10560VA
Demand		33.1	kVA	=	92 /						TOTAL DEMAND LOAD IS THEN 33.1KVA.
		met i			100 m					-,,	

Date

Revisions:

VA FORM 08-6231, OCT 1978

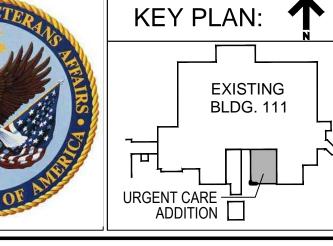
PANEL BOARD SCHE	DI	JLE-									NEW PL-13-2
LOCATION:1391EC VOLTAGE: 120/208 3PH4W SOURCE: DL-B01-1 MAIN BRKR: 125A			GF	E:#AWG AWG G: SURFA			AIC R. MFGF CAT. I	₹:	NG: 14KAIC		
	СТ	. VOL	TAMPS		BKR/	BKR/	VOL	TAMPS		CT.	
	#	Α	В	С	POLE	POLE	Α	В	С	#	
F1386	1	864			15/1	20/1	360			2	TV OUTLET RM 1391, CAAS21
F-1388	3	3	864		15/1	20/1		180		8	RECP CORRIDOR C1AS22
RECP: HEADWALL EX RM 1,2,5,6,7,8	5			1080	20/1	20/1			900	8	RECP: TV OUTLET EX RM 11,10,9,2,1
RECP: HEADWALL EX RM 1,2,5,6,7,8	7	7 540			20/1	20/1	720				RECP: TV OUTLET EX RM 8,7,6,5,
SPARE	9)			20/1	20/1		1080		8	RECP: 1383, A,B
SPARE	11	1			20/1	20/1			1260		RECP 1382HC &CORRIDORS (MAINTENANCE)
PRINTER RM 1390	13	3 1200			20/1	20/1	540				RECP 1390
RECP (COMPUTERS) 1383A, 1383B	15	5	360		20/1	20/1		720		16	RECP 1383, 1383A, 1383B
RECP 1383. 1383A	17	7		540	20/1	20/1			1440	18	WALL RECP 1383, 1383A, 1383B
RECP 1391, 1392EC	19	900			20/1	20/1	360				COMPUTERS 1312A, 1312B
RECP 1312A, 1312B	21		720		20/1	20/1		720			WALL RECP 1312A. 1312B
SPARE	23				20/1	20/1					SPARE
JNIT HEATER UH-B3050F-1	25				15/1	15/1	696			8	EF1382HC
JNIT HEATER UH-B3050F-2	27		696		15/1	20/1		540		8	BASEMENT RECPS
JNIT HEATER UH-B3050F-3	29)		696	15/1	20/1					SPARE
RECP: PL (PATIENT LIFT EX RM 11	31				20/1	20/1				2	SPARE
RECP: PL (PATIENT LIFT EX RM 10	33		960		20/1	20/1				8	SPARE
RECP: PL (PATIENT LIFT EX RM 9	35			960	20/1	20/1			360		CRAWL SPACE RECEP
RECP: PL (PATIENT LIFT EX RM 8	37				20/1	20/1	960			9	RECP: PL (PATIENT LIFT EX RM 5
RECP: PL (PATIENT LIFT EX RM 7	39		960		20/1	20/1		960			RECP: PL (PATIENT LIFT EX RM 2
RECP: PL (PATIENT LIFT EX RM 6	41	1		960	20/1	20/1			960	42	RECP: PL (PATIENT LIFT EX RM 1
T-1-I A DI		0.0	LVA				-		0	NI _ 1 -	
Total A Phas		9.8	kVA						General	Note	!S :
Total B Phas		8.8	kVA								
Total C Phas	е	9.2	kVA				DECD !	OAD 40	2201/4 - 4	CT 4	101- AT 1000/ DEMAINING 2000 AT 500/
0	.d	27.7	L\/A	_	76.0	۸					10k AT 100%, REMAINING 3320 AT 50%.
Connecte			kVA		= 76.8 A						N 11660VA; OTHER LOAD IS 1200VA
Demar	a	26.3	kVA	=	72.86	A	LARGES	MOTO	K IS 960V	A; I	TOTAL DEMAND LOAD IS THEN 26.25KVA.

PANEL BOARD SCHEDULE	1 -/									NEW EUH-CR-13-1		
LOCATION:B0305D			FEEDEF	R SIZE:#	1/0AW	j		AIC	RAT	ING: 14KAIC		
VOLTAGE: 277/480 3PH4W			GRD SI	ZE: #6A\	NG			MF	GR:			
SOURCE: NEW EQUIPMENT BRANCH SWBD			MOUN	TING: SI	JRFACE			CA.	T. NO),		
MAIN BRKR: 125A								14.511.00	100000			
THE WITH DIVINITY LEGISLATION OF THE PROPERTY	CT.	VOLT AI	MDS	BKR/	BKR/	l V	OLT AN	1DC	CT.			
	# A		C	POLE	POLE		B	C	#			
	1 582	20				1330			2			
AHU-UC	3	5820		50/3	15/3		1330		4	CHP-UC-1		
	5		5820					1330				
	7 138			_		1330			8			
EF-UC, EF-B3050F	9	1385		15/3	15/3		1330		10	CHP-UC-2		
	11		1385			1000		1330				
IIIMD HO 4	13 133			45/0	00/0	1330			14	A COLL FORT 4		
HWP-UC-1	15	1330		15/3	20/3		1330	4000	16	ACCU-ECRT-1		
	17	0	1330			4450		1330				
HWP-UC-2	19 133 21	1330		15/3	50/3	4153	4153		20	CH-ERCT-1		
HWF-0C-2	23	1330	1330		50/5		4153	4153	88	CH-ERC I-I		
	25 0		1330			443		4100	26			
SPARE	27	0		15/3	20/3	440	443		28	EF-1192		
5.72	29		0	-			110	443	30			
TG EX RMS 5-11 AND SURROUNDING	31 204	.9							32			
TG TEAM STATIONS AND UPPER CORRIDOR	33	1444							34			
TG EX RMS 1-4 AND SURROUNDING	35		1635						36			
	37								38			
	39								40			
	41								42			
Total A Phase	20.5	kVA										
Total B Phase	19.9	kVA										
Total C Phase	20.1	kVA						MOTO	RIC	DAD IS 55.35VA, 25% OF LARGEST MOTOR IS 1.45KVA.		
Total OT Hase	20.1	IX V A						OTHER LOAD IS 5.13KVA.				
Connected	60.5	kVA	=	72.7	A					MAND LOAD IS THEN 61.94KVA.		
Demand	61.9	kVA	=	74.5	Α							

FULLY SPRINKLERED
BID DOCUMENTS













309 N. WATER ST. SUITE 650 MILWAUKEE, WI 53202	Drawing Title ELECTRICAL PANEL SCHEDULES	Project Title 111 EXPAN
PHONE: (414) 258-6004	Approved: Project Director	VA Medical (
		Date January 28th, 2016

Office of Facilities Management

